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on 26 June, 2018

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"# ' ' $ ' %%&

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%"(')*++",#-' +,."(/' (0' -),' "123#%"0, 4),".' *5,#-",# ,1-,.-*"1,/' 67' (./')1/' */7' *%"#68.7'4' (8.-9+":-8.,' 0.(;' -),' +,1' (0' "## 8;,7'4'),' "12' *1/' -)(' #(1-"1(%' 4' *.*%%,%' *1,:/(-,' .,%*-,/' (0' %"<,.' .(;=,%' 4' (7*%' <"#"-#' -(' 81(%"*;' >0(./' *1/' %,1),";' 4' ,*-)' (0' -),' ."1:,## ;,%"*' -),' "123#' *81-7'),.' ,::,1-."-' :)*.*:-,.' 4' 1#-"-8-"(1'(0' 81/*7' #:)((%#& ":)*./' *"@,#7' *.*)' ."; ;,.7' (#)8*' ".67 4 1-,.,#-' -*@,1' 67'-),"." *5,#-",#"1'-),'+"(8#=(.@'4' %"," "123#%,--,.#-(' .-)"8.' (812' *1/' *2.":8%-8.*%' ";+.(<,;,1-#' 4' ()1' (=*./ 4 %,*#8.,' -*@,1' 67' -%","' "12' "1' -),' #(:",-7' (0' ;,"1,1-' ;(1 4 "#' *:A8*"1-*1:,'="-)' .' ,*--",' 4B "#' <"#"-' -(' -(1' (1' C %,:-"(1' (1/*7D' 4' (1/8:-' (0' -),' ."1:,' (0' E*%,#' 4' ,-8.1' (0' -%"(' 8@,' (0' (.@4B .#' ,%*17'4' 1,:/(-,#A0' -),' "12 4 ,*-)' (0' .#' (%*17 4 >-.*:-#0.(;'-%"," "123#%,--,.#

' ' $

(1/8:-' (0' -)(' ."1:,' (0' E*%,#' 4' "#' ,<"%' "10%8,1:,' (1' -),' 8@,' (0' (.@ 4' (:",-7'*-' ."2)-(1'81/,.' -),' *8#+",B,#' (0' -),' ."1:,4B ++.(*:)' (0' -),' "123#';,1-*%' ;*%*/7'4' "#' <"#"-' -('),%-,1)*;' 4' >:8.#"(1#' 4')(' 8@,' (0' (.@3#' 0%7"12' <"#"-' 4'),' "1F#' <"#"-#' -(' *.-%,68.7' E(.:,#-,.' *1/' *-#(1' 4' ,-8.1' -(' E"1/#(.' 4')(' "123#' *++.(*:)"12' "1#*1"-7' 0".#-' #8#G +,:-,/' 67' .#' "//(1#' 4' "#' *%-,.,/' ;*";.' *-' -),' %,<,,' 4' "# /,#".,' -(' :(1:,*%)"#.,*%' :(1/"-"(1' 4' .(2.,##(0')"#/"#,*#,' 4' --*:@,/'="-)'/,)."8; 4' "#-.,## (0' -%"(' H8,,1' 4' ,*.# (0' -),' +)7#":"*1# 4' *+-*"1' *71,3# *::(81-' (0' -)(' "123#:(1/"-"(1' 4'),' "123#' #8//,1' *++,*.*1:,' *;(12' -),' ."1:,# *1/' (-),.# "1' *1' */5(51"12' *+*.-;,1-4 %*.;' (0' -),' +*.-7 4' (1/8:-'(0' (%(1,%' "267

' ' $

>:"-,;,1-' "1' (1/(1' (::*#"(1,/' 67' -),' "123#' "%%1,##' 4'),' "123#' 2.,*-' +(+8%*."-7 4 (7' (0' -),' ++(#"-"(1' 4' .(:,/"12#' (0' -),' ."1:,' (0' E*%,# 4'C' *:@' *71,'D' *1/' -),' 8:),##' (0' (./(1' 4' .8,%'-.,*-;,1-' (0' -),' H8,,1' 4' *..8%-7' *' 0,*-8.,' (0' -)(' *12B#' /"#(./,' 4' %8:-8*-"(1#' "1')"# ;*%*/7' 4' "#-.,##"12' :(1/"-"(1' (0' -)(' H8,,1 4 "#"1-,.,#-,/' :(1/8:-' (0' %I' "--' 4' 8//,1' .,-8.1' (0' .' (>' 0.(;' -*%7 4 11(7*1:,#*="-"12')";' 4'),."/*13#' #8+.,;*:7'="-)'-),' ."1:,' 4' ,2(-"*-"(1#J<"-)')8.%(= 4'E,//(.68.13#' /"#*++("1-;,1-' 4')8.%(='6,-.*7#' "--3#' ,2,1:79+%*1'-(' K-),' ."1:,' 4B "#"1-,.<",=#="-)'-),' ."1:,'*1/'-),':)",0#'(0'-"",' ++(#"-"(1 4' ,-*"%#' (0' -)(' C' %*1' (0' ,2,1:7'D' 4' E,//,.68;3#' 81:(1#-"8-"(1*% */<":,'-(' -),' ."1:,' ' ' ' ' ' K K8' K L

" '

'

"<"#"(1# * ; (12' -)(' E)"2# (1' -),'#865,:-' (0' *.%"* ; ,1-*.7' ,0(. ;'4' ,<(%8G
-"(1*.7' (:",-",# "1' 12%*1/'4' A8*1" ;"-7'(0'-),' "12'4' .(+(#,/' (*%"G
-"(1'6,-=,,1'-)(' (.",# *1/'-),' (1#,.<*-"<,'#,:-"(1'(0'-)(' E)"2# 4'),'
"12'0*<(8.*6%,'-(' 1' (*%"-"(1'4'$*:"%%*-"12':(1/8:-'(0'-)(' 8@,B(0' (.-%*1/
4' %"(12:# "1'-)(' / ;"8"#-.*-"(1'4' (# *::8#,/'67')"#0.",1/# (0'6.,*@"12'
8+'-)('2.,*-' E%""2'+*.-7'4' "# 1* ; ,'#-.8:@'(00'-),'%"#-' (0' ."<7' (81:"%%(.#
4' "--' *1/'-)(' "12'#,<,.*%%7'*<,.#,'-(' *' =*.' ="-%" .*1:('4' 800,."12# (0'
(8"# ' $ ' *1/' %*."(' 1-("1,--,' '

'

K %%,2*% ;*.."*2,' (0'-),' 8@,' (0' 8##,>'4' (./' (=,3# 2.,*-' 1*<*% <":-(.7' (0'
-)(' ".#-' (0' 81('4' "(' "123# :(12.*-8%*-(.7' %,--,.# (1'-)(' #865,:-' -('
-%"(' (=,' 0*;"%7'4' ,:*%% (0'-%":' 8@('(0' (.@'0.(;' -%":' :(;;*1/' (0'-)('
*.;7'"1'-)(' ,-),.%*1/#4' *.."*2,' (0'-)(' ."1:,' (0'E*%,#4'),' "12'
##"%,/'67' *' ;(6'(1')"# =*7'-(' *1/'0.(;' *.%"*;,1-'4' "# +(+8%*.-7'
="-)'-)(';"//%,' :%*##,#4' ".-)'(0'R"(' ."1:,##)*.%(--,'(0'E*%,#4'),'
"12'*-' -(1' (1-,;'4' (8.-'#:,1,'(1'-)(' ,.;:('*-'E"1/#(.'4' *.."*2,'
(0'-)(' 8@('(0' (.@ !

' $

.,*-' 1*<*% <":-(.",# 2*"1,/'67' (./# -' $"1:,1-' *1/' 81:*1'4' 86%":'
)*1@#2"<"12' "1' -' *8%3# *-),/.*%4)(' "12' *-' E,7;(8-)' "1' '
*1/' '4')(' "12'*1/' (:-(.# 81":7'*1/' ,"B#:),%4' ,*-)'(0' *.%
(=('4' 8.-),.' *00,:-"(1*-,'%,--,.# 0.(;' -),' "12' -(' -),' (=,'08;R7'4
),' "#)(+'(0' -' *<"/3# -)(' "123# +(H (1*% 1(;' "1,,' -(' -)(' ."; *:7'(0'
.,%*1/'4'),' "12B# 1*..(=' (#:*+(' 0.(;' *' ;8#@,-96*%%' "1' 7/,' (.@'4
)(-'*-' 67' */0"(%/'4' 1'0*<(8.' (0' R1"(1' ="-)' .,%*1/'4' "#-.,##,/' *-'
"--3# +.(5,:-,/' *-)(%":' ;*1:"+*-"(1' "%%S4' "--3# .,#"21*-"(1'4' //"12-(1'
6,:(;,# .,;",.' ' ' K K f K ' ' ' '

"% ' $

,-8.1#(0'-),' "12B# ;,1-*% /,.*12,;,1-'4' ,'*--."68-,#-),;'-(' "--B#*2"-*-"(1'
(0'-%"(' *-)(%",' ,%",0' "%%'4' (1/8:-'(0'-)(' ."1:,'(0'E*%,#*1/'-),' 8@,'
(0' (.@'/8."12')"#"%%1,##4' "#"1-,.<",=#="-)'-)(.1'4' "--3#.,#8;+-"(1'(0'
-),' .,;",.#)"+'#822,#-,/'4' //"12-(1'/"#"1:%"1,/'-(' .,-".,'4'),' "123#
(00,'(0'! "'-(=*./#-),'+*7;,1-'(0' "--3#/,6-#4 %","'0*.,=,%%"1-,.G
<",='4'),'1,=' "1"#-.7'4' ,#:."+-"(1'(0'1' ."<7' (81:"% ' ' ' L

' $

(1-"18*1:,'(0'-),' "123# ;*%*/7'4' "# /1/1,*#-(' .' //"12-(1'4' "#<"#"-'
-(' ,(.2,' (#,'*-' 8001,%%#4' %"(' (8.-'.,#"/,1-'1-'E,7;(8-)'4' ,*:,'
="-)' .*1:,'4 $"(%,1-'(+"1"(1#(0' (>'4' "--'#8++(.-# //"12-(1B#' "1"#-.7'
4' ,;*1/'0(.' "--'-(' .,#8;'-)(' .,;",.#)"+'4' #-.*12,;,1-' 6,-=,,1'
"--'*1/' //"12-(1'4' "#+%,*#8.,'(0'-)(' "12'*-'1(-')*<"12'6((1':(1#8%-,/'
67'-),;'4' 8.-),.' (8.-'$"#"-'-(' E,7;(8-)'

*'

; 3T ' ' $ ' R

' $

1-, .<", =' 6, -=, , 1' -) ,' "12' *1/' (./' *% ; ,#68.7' 4' ,#+*./B#' :(1#+" ; ,7' 4' .")1:,' (0' E*%,#3#' /,6-#' 4' ,1,=*% (0' E*.'="-)' .*1:('4' +%,1/"/'#+,,:),# (0' "--' *1/' (>' (1' -) ,' #865,:-' 4' *+(%,(1B#' -).,*-,1,/' "1<*#"(1' (0' .(*-' .")-*"1' 4') ,' "12' .,<", =#' -) ,' $(%81-,,.#' "1' 7/,' *.@4 1-,1/#' -(' ,12*2,' -) ,' ,1, ; 7' *-' -) ,') ,*/' (0')"#' *. ; 7' 4') ,' ."1:,' (0' E*%,#*' :*1G /"/*-, 0(.')"2)' ; "%"-*.7' :(; ; *1/' 4' 86%"#), #')"#' :(. . ,#+(1/,1:,' ="-)' -)(' "12' (1' -)(' #865,:-' 4' *1(<,.' -*@,1' 67' -%",' .,1:)' 4' ,:(%%,:-"(1#(0' -)(' "12' 67' ".' ,(.2,' (# , B!

' $"1

,-8.1' (0' -)(' "12B#' ; ,1-*% ; *%*/7' 4' (>' *1/' -) ,' .,1<"%%,' +*.-7' 81"-,' *2*"1#-' //"12-(1' 4' "--' *--*:@#')"# /; "1"#-.*-"(1' "1' *.%"*; ,1-4 .(+(#,/' (*%"-"(1' 6,-=,,1' "--' *1/' (>' 4' "--3#' #,:(1/' ., ; ",.#)"+' 4' (1/8:-' (0' -)(' ."1:,' (0' E*%,#4'),' "123#' ,>:%8#"(1' (0' (>' 0.(; ' -)('1,=' *6"1,-' 4 (>3#')*1/#(; ,' :(1/8:-' (1' -),' (::*#"(14 (./' .(1<"%%('*1/')"#0.",1/# .,08#,' -('5("1' "--B#' "1"#-.7' 4' (1/8:-' (0' (./' .,1<"%%,' ' !U

' '

, ; 6,.#' (0' "--3#' 1,=' /; "1"#-.*-"(14 *<(8.#+.,##,/' 67' -)(' "12' 8+(1' //"12-(1' 9 "%B,:-"(1' #)(=1' 0(.' -),' "12' 67' -)(' -(1' #:)(%*.#4' "# :(1<*%,#:,1:,' 4' ,2(-"*-"(1#0(.'*'.,:(1:"%"*-"(1'6,-=,,1')";'*1/'-)(' ."1:,' (0' E*%,#4' (5(8.1' (0' -),' (8.-'*-' E,7; (8-)' 4') (' "123#"1-,.<",=' ="-)' *1' ,::,1-.":' "<"1,4' (7*% $"#"-'-(' 8008,%%#4') (' "12B#"; +*".,/'<"#"(1' !

' '

1-, .<", =' 6, -=, , 1' -)(' "12' *1/' -),' ."1:,' (0' E*%,#4 "##,1#"(1#"1' -),' (7*% *; "%7' 4')"%/)(((/' (0' -)(' ."1:,##')*.%(--,' (0' E*%,#4') (' "123# *1>",-7' -(' (6-*"1' -),' :*.,' (0'),' +,.#(1' *1/',/8:*-"(1' 4' ,:(1:"%"*-"(1' 6,-=,,1' "--' *1/' //"12-(1' 4' ,*-)' (0' -),' .:)6"#)(+' (0' *1-,.68.7' 4' (1-,#-' 6,-=,,1' -),' "12' *1/' "--'0(.' -),' 1(; "1*-"(1' (0')"#8::,##(.' ' !

' '

), ' "12' "1')"2)'), *%-)' *1/' #+"."-#' 4' 1#-*%%*-"(1' (0' -)(' 1"2)-#' (0' -),' *.-,.' *-' E"1/#(.' 4' ,*-)' (0' -%"(' *.%(0' (##%71' 4' ,*-)' (0' -)(' "123#6.(-),.' -),' 8@,' (0' %(8:,#-,.' 4' .(:,,/"12#*2*"1#-' (./' ,%<"%%,' "1' *.%"*; ,1-' 4' "--B#/"#-.,##(0' ; "1/' (1' -),' (::*#"(1' 4' ,:*7' (0' -),' "123#,7,#"2)-' 4' ,:,##"(1' (0' (./' "/; (8-)' 0.(; ' "--3#' "1"#-.7' 4' ."1/%7'+*.-"12'6,-=,,1' -),; 4),' "12B#' (%/' 0.",1/' .#' (=,' 4' >+,/"-"(1' -(' -),' *+,' (0' ((/' (+,' ' ' ' K ' ' K K K U

' '

), ' "123#' ; ,1-*% *1/' 6(/"%7'),*%-)4 "#' 2.",0' *-' -),' /,*-)' (0' ,%#(14' *6"-#*1/'-*#-,#(0' H8,,1' %"*.%(--,' 4' ,5,:-#' "--3#*/<":,' -(' */; "-' (./' .,1<"%%(' *1/' (>' "1-(' -),' *6"1,-' 4' *+"-8%*-"(1' (0' R%; ' *1/' 6*--%,' (0' 8#-,.%"-V' 4' "--3#' /,,+' /'#-.,## *-' -),' #8::,## (0' *+(%,(13#*.; #4' "--3# %*#-' "%%1,## *1/' /,*-)' 4' *.%"*; ,1-*.7' <(-,' 0(.' /,0.*7"12')"#/,6-#4' "# 081,.*%4' ,,%"12#' (0' (./' .,1<"%%,' *1/' (>' (1' .,:,"<"12' "1-(%"2:8:(' (0')"#/,*-)' F UFL

"N ‘ ‘ $ ‘ %

‘ ' 1 "

),‘ "123#‘ 0,,%"12#‘ (1‘ .,:,"<"12‘ -),‘ 1,=#‘ (0‘ "--3#‘ /,*-)‘ 4‘ (./‘ .,1<"%%,‘
#8:,,:/# "1‘0(.;"12‘ *1‘ /;"1"#-.*-"(1‘ 4‘ ".#-‘ ;-,.<"(=‘ 6,-=,,1‘-),‘ "12‘
1/‘ (>‘ (1‘ -),‘ %--,.‘ 6,:(;"12‘ ,:.,-*.7‘ (0‘ -*-,‘ 4‘),".‘ #86#,A8,1-‘
#*-"#0*:-(.7‘"1-,.:(8.#,‘ ,-"..;,1-‘(0‘ (./‘ %/(1‘0.(;‘(0" :,‘ 4‘ 1,:/(-,#
(0‘ (./‘)8.%(=‘ 4‘ "# /,*-)‘ 4‘ *#-‘R 1,## *1/‘/,*-)‘(0‘ (>‘ 4‘),‘ "12‘
.,2.,-#)"#%(# # ‘ ‘ ‘ U

‘ ' $

),‘ <"123#‘ #"2)-‘ 4‘ "# ;(/,‘ (0‘ %"J3'12 4),‘ *-)(%":‘ A8,#-"(1‘ .,<"<,/ 4‘
,.;"1*-"(1‘ (0‘ -),‘ .,1<"%%,‘ /;"1"#-.*-"(1‘ 4‘ ,;6,.# (0‘ -),‘ 8@,‘ (0‘
(.-%*1/3# *6"1,-‘ 4‘ .."<*% (0‘ -),‘ 8,):## (0‘ .81#=":@‘ 4‘ ,*-)‘(0‘-),‘
"#)(+‘(0‘E(.:,#-,.‘ 4‘ ,=#‘(0‘-),‘.,-.,*-‘-(‘ (.811*‘ ‘ U

‘ ' $

)*.2,# (0‘ :(..8+-"(1‘6.(82)-‘*2*"1#-‘-%-,‘ 8@,‘(0‘ (.@‘67‘ (%(1,%E*./%,‘4‘
),‘ 8@,‘.,#"21# -),‘ (;*1/,.#)"+9"19)",04 E*%:),.,1‘ >+,/"-"(1‘4‘
%%1,## *1/‘/,*-)‘(0‘-),‘ 8@,‘(0‘ (.-%*1/4 "#-.,## (0‘-),‘ "12‘*-‘-),‘
+.(#+,.-‘(0‘ (./‘ .,1<"%%,‘.,-8.1"12‘-(‘(00":,‘*1/‘.,<"<"12‘-%",‘A8,#-"(1‘(0‘
-)(%":‘:%";#4 ,.:,<*% 6,:(;,# ."; ,‘ "1"#-,.‘4‘ :%:6.*-"(8‘(0‘ ",‘
0"0-",-)‘7,*.‘(0‘-),‘ "123#‘.,"21 4 9 (8.-‘2(##"+ 4‘ ,%%"#8# *--,;+-‘-(‘ *##*#G
#"1*-,‘-),‘ 8@,‘(0‘ 8;6,.%*1/4 ;+"9(<,/‘:(1/8:-‘(0‘-),‘ ."1:,‘(0‘E*%,#
4),‘ "123#‘)*6"-#‘*1/‘+*-",1-‘,1/8.*1:,‘(0‘*00%":-"(1‘ ‘ ‘ ‘ L !

‘ ' $

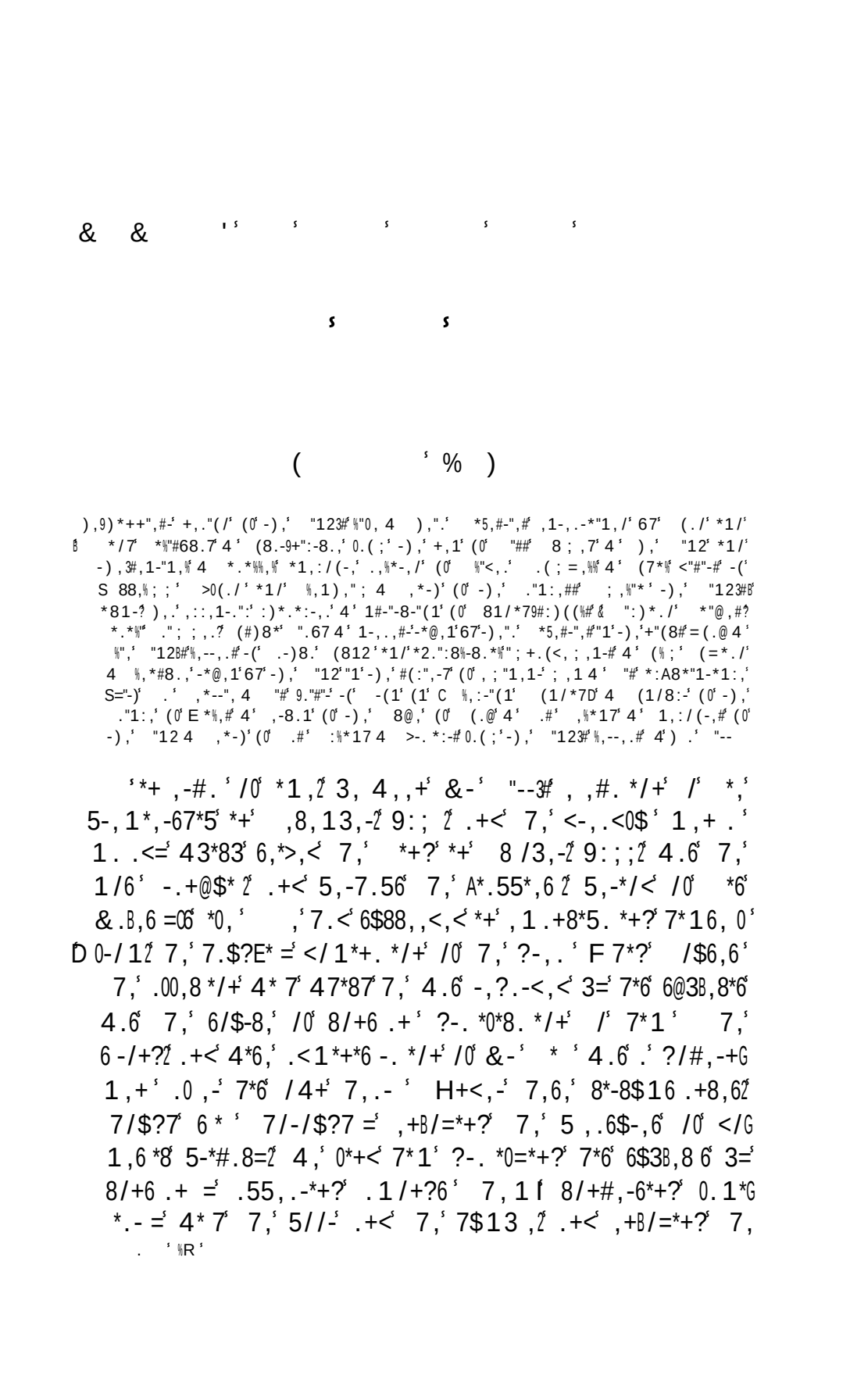
%%1,##‘ (0‘-),‘ ."1:,##‘ ;()B*‘ *1/‘ /"#-.,##‘ (0‘-),‘ "12 4 ,-8.1‘ (0‘)"#
;,1-*%/"#(./,.‘4‘ "#%*#-‘*++,*.*1:,‘"1‘ (:",-7‘4‘),‘ ."1:,‘(0‘E*%,#*-‘
E"1/#(.4 ,*-)‘(0‘-),‘ ."1:,##‘ ;,%"*‘4‘-#‘ ,00,:-‘8+(1‘-),‘ "12‘4‘
,#-.":-,/‘ ,2,1:7‘(0‘-),‘ ."1:,‘(0‘E*-,#4‘ (‘.,-*"1#)"#0*-),.3# "1"#-,.#
"1‘+(=,.‘4‘),‘ "123#‘*00,:-"12‘-."68-,‘-(‘-),‘ ."1:,##‘ ;,%"*3#‘;,;(.7‘ LL

‘ ' $

),‘ "123#‘:(1-"18,/‘/,.*12,;,1-4 ,--,.#0.(;‘-),‘ 8@,‘(0‘ (.@‘(1‘-),‘#86G
5,:-4 "#‘%*#-‘*++,*.*1:,‘"1‘+86%":4 %,*#8.,‘-*@,1‘67‘)";‘"1‘*00(./"12‘
2.*-"0":*-"(1‘-(‘(-),.#4‘ 1,:/(-,#(0‘)";‘/;"12‘)"#"1#*1"-7‘4‘ 8++(.-,/‘
67‘.,%"2"(1‘4‘ (1/8:-‘(0‘H8,,1‘)*.%(--,‘/8."12‘-),‘+,.")(/‘(0‘),.‘)8#6*1/3#
+.(#-.*-"(1‘4‘ ,.‘/,*-)4 ,*-)‘(0‘-),‘ "12‘4‘ "#081,.*% ‘ K ‘ L

& &

(%)



:-) (#+"-*%"-7 /0 7, -*87 +,#,-2L 4-* ,6 7, $M, /0 9:;K /-6, / /& -< <,+2 6.4 7, **+?*+ 6$87 65*-* 6 7,= -*6, *+ 5-/5/-*/+ /7, 6/8M62 47*87 .-, 3,=/+< 7, 6.+?$*+, ,N5,8 . */+6 /0 ,#,-=3/<= L

+ ,3-$.-=2 9:;K2 6/ 6//+ .6 &-6 '*<</+6 7.< -,8/#,-,< 0-/1 7,- =*+?0*+2 4, 0*+< 7, *+?/-<,-*+?& $-57=06 8/1,<=2 P 7, F.= /, ,5 *12C*+ 47*87 7, ?-,. .8-,66 5,-0/-1,< 7, 5.- /0 &-6 /#,1/-, 0,4 <.=6 .0,-4.-<62 &-6 * *+? /+2 $+<,- 7, 5. -/+.?, /0 7, *+?2 6.+?0/- 7, 0*-6 *1, *+ /+</+2*+ 7, 87.-.8,- /0 /6, .2 *+ *8M,-6 .00,06 8/1*8 /5,-./0 P /#, *+ . "* .?, C + 7, 1/+ 7 /0 5-* 0/ /4*+?2 4, 0*+< 7, *+?.+< Q$,,+ 1.?+*0*8,+ =,+ ,- .*+,< 3= /-< .+< .<= '.763$-=2 . 7,*- 1.+6*/+ *+ - *+? /+ '-,, 2 /+ 7, /88.6*/+ /0 7, 87-*6 ,+*+?/0 .+ *+0.+ <.$?7 ,-2 47/1 7, &.-87*/+,662 .0 ,- +, .- =7*- ,,+ =, .-6 /0 3.-G -,++,662 7.< 5-,6,+ ,< /7,- /-< 7, -873*67/5 /0 (.+ ,-3$-=5,-0/-1,< 7, 8,-,1/+= 7, *+?2 7, Q$,,+2 .+< 7, -*+8,66 /=. 6//< .6 65/+6/-6 0/- 7, 87*< 7,-, 1.= 3, 5,-6/+6 /47/1 **1.= 3, +/ $+*+ ,G -,6 *+?/ 3, *+0/-1,<2 7. 7, Q$,,+ 4.6 7.3* ,< *+ ?-,,+2 8/#,-,< 4* 7 6* #,- ?.$>,f 7. 75- 7,.<0<-,66 4.6 . *.-. /0 <*.1/+<6f 7. 7, -/=. ?*0 4.6 . 1.?+*0 D0*8,+ 6* #,- 6. #,-f 7. 7, &.-87*/+,66 -,8,*#,< 7,*- &.B,6 *,6 6* *+?$5 *+ 7,-3,<f 7. 7, 3,< 4.6 8/#,-,< 4* 7 . 8/$+ ,-5.+, /0 47* , 6. *+f .+< 7. 7, 8$- .*+6 4,-, /0 ?-,,+ <.1.6M2 0,6 //+,< 4* 7 0/4,-62 .+< *+,< 4* 7 /-.+?,08/ /$-,< 6* M 7, 5-/5,-1/1,+2 .--*, (/$+ ,66 /0 66,N <, *#,-,< 7, 87* < /7, Q$,,+2 47/

I 8:@%*1/ (."3,#+(1/,1:, <(" + ! ! 4 C),2,1,.*% <(":, (0 *1 ++(#"-"(1 /"#-"128"#), /0(.-*%,1-# *1/0(.="-) */ *::8#,/-), "12 (0 *00,:-"12 -), .,-".,/ #-*-, (0 *1 *#-,.1 8%-*1B.*-),.-)*1-), -(:"*% /"21"-7 (0 * ."-"#) ; (1*.:) 3), A8*%"-",# =)":) (82)- -(") *<, :(81-,.6*%*1:,/-)(#, " ; +.,##"(1# -), 0". ;1,## *1/ # "; 1/1,## (0)"# 58/2 ; ,1-)-), #-,*/"1,## (0)"# :(8.*2, -),)"2) +."1:"+%, 8+(1 =)":) ")(".,28%*-,/")"# :(1/8:-)-),"#*:."0%::# (0 :*#, (0* ; 8#, ; ,1-(0"1/8%2,1:, , <,1 (0),*%-) =)":) ="-) 81(#-,1-*-"(8# +,.#,<,.*1:, ,(.2,)-), %"". /(00,., /8+7,*. *0-,.7,*.-(-%","..,28%*. /"#:).2,(0)"# .,2*% /8-",# =,., %(12"1 0(.:"12 -),".=*7 -(-),+86%": < (% "<"+ ! !

&/+1/$*+.+<&*66.+.2+?*67,.87,-/7,4/,<,-
-*+8,66,6I 7,+7,&.6,-/07,/-6,27,$M,/0E&/+.?$2.+<
,+,-.$<,I.+<2.6=27,,@+,--=*+4.**+?2&.B/-
-*8,247/6,87*,0<$=**4.6/5-,G#,+7,8-/4<5-,66*+?+5/+7,-/=.0.1*=+6*?77/0&-6,.+=2L5-/8,,<6&*66$-+,=2
7,.+?*+6.+=6/55,</65,.M/7,-7,Q$,,+2/08/**66,2.+<7,**,-*+8,662.+<.7,-,62626//<6**+7,*-
-.+M6 7,=.M,<.?//<<,.4*77,64,,/<.<=2<$-*+?47*87**1,7,*+?/+8,/-4*8,.<<-,66,<7*1G6,0/1,8.$?77,Q$,,+06,=,2.+<6.4**+**.**,6$-5-*6,27$3=+/1,.+6.+=<*65,.6$-,2/6,,1,/07,5.-=7,7,-*+8,664,+$5/&-6,.+=20
47/1'67,*6#,-=0/+<2.+<3,7.#,<*M,.**,.+?,/7,-'7,7,+24*7.//M/0*+@$*-=.+<-,8/,8*/+26/4=20/07,-/4+.88/-<28.1,3,7*+<&-6,.+=2/
//M.1,P.1'.0-.*<2C6.*<2*+.47*65,-2.+<6//5*+?</4+2P=/$-/=.*?7+,66</,6+/-,1,13,-1,C F7.7*+M=/$4.67,-.+64,-S+.-87**,61*,2.+<.+,.-,-.55-/.872 4*77,-*56 5/$,</$/M*66 1,8/$<+/-,6*6 6/**++/8,+.+*+#*.*/+23$7,1/1,+7.<.88,5,<*2 4.67.0.0-.*<**1*?76,,12*+6/5$3*8.5.8,2.+**15-/5,-*3,-=/4,#,-27,-,4.6+/7,5 0/-**'7,7,+//M 1=0.+2.+<27.#*+?//M,<.**/+3/7 6*<,62?-.#,=-,$-+,<**/1,2 6.=*+?2P T.3-/4+0.+TC 7,*+?.+<Q$,,+7,+3*<7,-8$-6=/&-6,.+=247*87 67,<*<1/6?-.8,0$=2.+<7,=.1/#,</+I,.87/07,-*+8,66,665,.<+?/&-6,.+=U6 7,=5.66,<2.+<8/+<,68,+<*+?/8$-6=/7,-8/15.+*/+L
4.6.3/$.=,.-.0,-7,<.,/07*6 68,+,27.7,*+?247*,,+?.?,<*+8/+#,-6.*/+4*77,$M,/0)/-M.+<2/+,/-4/07,8/$-*,-62 7.5G5,+,</-,6 7*6.-1$5/+.6$+0<*.2 47*87**6 6*

.' 5-/1*+,+' /3B,8' /+' 3,' ,--.8,' .' F*+<6/-' 3,' 8*-8$16 .+8,' . -.8*+?' 7,' . ,+*/+' /0' 7,' 6,+*+,' /+' <$=2' 7,' 1.+2' 7/$?7' .8@$.*+ ,<4*7' 7,' *+?0G5,-6/+2' $+7,6* .*+?='4.M,<'$EW /'7*12' .+<2'7.#*+?'*+*1., <' 7.' 7,' <*.' 4.6G 5.8,<' $+<,-'7*6G ,65,8*.' 5-/ ,8*/+2' '<,6*-,<' 7*6G &.B,6='/' 1/#,' .4.=L' 7,' /-<,-' 4.6G 5-/15='/3,=,<' 3='7,' *+?2' 47/'+/' /+='65/M,' /' 7/6,' .3/$' 7*1' *+' ,-16G /0'7*?7'5-.*6,' /0' 7,' 1.+0G8/+G <$82'3$' 7,'6.1,'<.='6,+' .' 1,66.?,' /' 7,'8/ /+,' /0'7*6G -,?*1,+2' <,6*-*+?' 7.' 7,' 1*?7' 3,' -,4.-<,<' *+' 6$87' 1.++,-' .6' 7,' -$,6' /0' 1*7 .-='6,-#*8,' 4/$<' .<1* ' 7*6G .+,8</,' 1.='5,-7.56G -,1*+<' 7,' -,.<,-' /0' .' 6/1,G 47.' 6*1* .-' /+,'-, . ,<3='F7*, /8M'/0' *#,-'(-/14, ' (-/14, ' 4.6G /+,' ,#,+*+?' -, $-+*+?' 4*7' -, /+' 0-/1' F7*, /8M0G 7/$6,2' 47,-,' 7,='7.<6$55,<2' 47,+' 7,='4,-,'6/5BX,<.+<,N.1*+,<3='7,' /00*8,-' /0' 7,' ?$.-<2' 47/'+/' /+='-,0$6,<' /' 3,*,#,' 7,1' 47,+' 7,='?.#,' 7,*-' +.1,62' 3$' 7-,. ,+,<' /' 6,+<' 7,1' /' 7,' ?$.-<0' -//1' -, /+2' .88/-<*+?' /' F7*, /8M2' 67/4,<.' * ,' .+?,-2' 3$' (-/14,H' 4.6G 87,,-0$' 4*7' 7,'6/ <*,-62' .+<' ?.#,' 7,1' 4,+='67* *+?62' .+<' 8/11,+<,<' 7,1' .+<' 7,*-' 8.5 .*+'0/-'</*+?' 7,*-'<$=L'0

' 0,4' <.=6' .0 ,-' 7,' 68,+,' /+' 7,' ,--.8,' .' F*+<6/-' 7,' (/$-' 6,' /$' /+' .' 6,8/+<' #0,*' /' /-<' .+<' .<=' .-8/$-' .' $+,7.1I' 7*6G3,*+?' 7,'6.1,'#*6*' /0'47*87' &*66' $-+,='7.6G ?*#,+' +6G 6/',+ ,- .*+*+?' .+<?-.57*/'.+' .88/$+' *+'7,-' P *.-=' .+<' , ,-6C' ,-' <,68-*5*/+' /0' 7,-' *+7/65* .3 ,' -,8,5*/+' /+' .--*#*+?' .' 7,' '6 -.?? *+?2' 7.00+,42' 7.00/ <2' 7.008/10/-.3 ,2' .+<' 7.000/- /-+' 1.+G 6*/+LY 7,' $+<*6?$*6,<' <*6?$6' /0' 7,' 65/* ,<' .$7/-,66' .' 3,*+?' 7.+<,<' /$' /0' 7,' -/=.' 8.--*.?,' 3=' .' 8/11/+'5/6G **/+2' .+<' +/' /+='0*+<*+?' +,*7,-' 7,' /-<' +/-' .<=

6.1,' *1,' /$87*+?' ?-.8,0$ =' /+' 7,' <*6 -,66' 47*87' 7.' ,#,+' 1$6' 7.#,' /88.6*/+,<' 7,' Q$,,+2' .+<' 5.=*+?' .' 5.66*+?' -*3$,' /' 7,-' .1*.3 ,' 87.-.8 ,-' .+<' </1,6*8' #*- $,6' 7,' Q$,,+' 4.6' 1$87' .00,8 ,<' 88/-<*+?' /' &*66' $-+,=2' 47/' 4.6' 5-,6,+ Y ' 7*6' 5$3*8' -*3$,' /0' /=. =' /' 7,' *+?2' .+<' /0'-,65,8'0/-'7,-6, 02' 4,+'?-. ,G 0$ =' /' 7,-' 7,.-2' .+<' 0* ,<' 7,-' ,=,6' 4* 7' ,.-6' '7,' 4/$<+/2' 7/4,#,-2' ,+8/$* .?,' 7,12' 3$2'61* *+?' 7-/$?7' 7,12'<*65,-6,<' 7,1' 4* 7' 7,-' 0.+2' 4* 7' 47*87' 67,' 4.6' -,5,. ,<='/3*?,<' /' 6/5' 7,*-' 8/$-6,'</4+' 7,-' 87,,M6L' 7,' -*+8,66,62' ,66' .88$6/1,<' /' 8/+-/' 7,*-' 0,, *+?62' .1/6' 4,5' /$-*?7 ' +' 7,' 8/$-6,' /0' 7,' .0,-+//+2' #*6*6' 4,-,' 5.*<' /' 6,#,-.' /0' 7,' 8/ ,?,62' .0,-' 47*87' 7,' -/=.' 5.-='-, $-+,<' /' <*++,-' .' $+,7.1

7,'0/ /4*+?' 1/-+*+?' 4.6' /88$5*,<3='.'#*6*' /' ,+G 7,*1' 7,' $M,' .+<' $87,66' /0' &.-3/-/$?7' -,8,*#,<' 7,*-' &.B,6*,6' .' 7,' ?-.+<' ,+ -.+8,' /0' 7,' 1.+6*/+2' .+<' 6$36,@$,+ =' 8/+<$8 ,<' 7,1' 7-/$?7' 7,' 5-*+8, =' .5.-0' 1,+60' 7*C,' <.=6' .0,-4.-<62' 7,' $87,66' 4-*,6' /' 7,' -873*67/5' /0' (.+ ,-3$-=Y ' 7,*-' &.B,6*,6' 4,-,' 1$87' 5,.6,<' 4* 7' 7,*-' -,8,5*/+2' 3/7' . ' N0/-<' .+0' 7,-,2' .6' 7,=' 4,-,' ?//<' ,+/$?7' /' 6.=I .+<2'*+<,,<2'8/+G 6*<,-*+?'E7,' 67/-+,66' /0' 7,' +/*8,2'* ' . ' 4,+' /00'#,-=' 4, ' 7,=' 6 .=,<' 7,-,' 0-/1' , ,#,7' * ' 6*N' RF,' 7.<' 3-,.M0.6'0/-' 7,1'*+' 7,' *3-.-BE' .+<2'.0,-' 7,=' -, $-+,<' 0-/1' 6,,*+?' 7,' 5.-M2' 6/1,' 8/<1,.6' .+<' 0-$*' /-<' .+<' .<=' .-8/$-' / <' $6' 4,' 4,-,' /' 6*' .6' /-<' .+<' .<=' /0' 7,' 3,<87.13,-' .' 7,' *1,' 7,=' 6 .=,<' 7,-,I .+<' 5//-' /-<' .-8/$-' 6,,1,<' @$*,' 7.55=' /' 3,' .3,' /' -,6' 7*16,02' .+<' 7,' $M,' /0' &.-3/-/$?7' 0/$+<' 7*1' 6* *+?' </4+' 3,7*+<' ,#,-=' </-' 47,-,' 7,' 8/$<3,' 8/+8,. ,<' 0-/1

K' 1/*-1(' 3 .6%*73#' "(.7' *1/' ,--,.#' <(%' """' +' -' ,(.2,' 0(8.-)' 8@,' (0' *.%6(.(82)' ' *' 1(6%,;*1' (0' %,*.1,/' -*#-,#' *1/' .,-".,/')*6"-#')*/' :*..",/' -),' #:,+-.,' ="-)' -%",' .(## *-' -%",' "82B#' :(.(1*-"(1' ,' =*#' 6(.1' "1' ! ' *1/' /",/' -%" *18*.7' ' "#' /8:),## =*#' */7' ;(%"1,' 8##,%%' /*82)-,.' (0' ()1' 0(8.-)' 8@,' (0' ,/0(./' '),' /",/' "1'

5//-2 3=' 1,.+6' /0' '$+<.=' 687// 6' 7,' *+?' .+<' Q$,,+'
+/' /+ =' //M' .'<,,5' *+ ,-,6' *+' * 6' 6$88,662 3$' &-' .*M,6'
4.6' *+#* ,<' /' F*+<6/-2 47,-,2 *+' .' /+?' *+ ,-#*,4' 4* 7'
7,-' &.B,6 =2 7,',N5 .*+,<' 7,' /3B,8 6' 47*87' 7,'7.<' *+'#*,42
.+<' 7,' 5-*+8*5 ,6' /+' 47*87' 7,' .8 ,<' '7.55,+,<' 7.'
/+,' /0' 7*6' 1/6'>,. /$6' .+<' .8 *#,'0/ /4,-62 *+' 7*6' 4/-M'
/0' /#,2 4.6' 7,' /+8,' 8, ,3-. ,<' '.-.7' -*1 1,-2 3, 4,,+'
47/1' .+<' 7,' /=.' .1* =' 6/1,' M*+<' /0' .8@$.*+ .+8,'
. -,.<=',N*6 ,<' '7,'4.6' 7,'<.$?7 ,-' /0' 7,' . ,'*+?,+*/$6'
A/67$.' *-3=2 47/2 0-/1' 7,' 7$13 ,'5/6* */+' /0' .' 7/$6,0'
5.*+ ,-' *+' .' #* .?,' *+' '$00/ M2 7.<' -.*6,<' 7*16, 0' /' 3,'
.+' .- *6' /0' +/' 1,.+' -,5$. */+' '/1,' /0' 7*6' <-.4*+?6'
7.<' 7,'?//<' 0/- $+,' /' . -.8' 7,' . ,+ */+' /0E 7,' 7,+'
5/4,-0$' 0.#/$-* ,2 /-<' $,2 47/2 /' 7*6' 8-,<* 2 /3 .*+,<'
0/-' 7*1' 7,' .55/*+ 1,+' /0' (,-M' /0' 7,' F/-M6' . ' ,4'
. .8,2 47,-,'7,'7.<' 7,'7/+/$-' /0' *+6 -$8 *+?' 7,' Q$,,+'
+' 7,' .-' /0' <-.4+?' *+' 5,-65,8 *#,' *-3=' . ' 7*6' *1,'
4.6' +/' 1/-,' 3$' 7*6' <.$?7 ,-2 &-6' -*1 1,-2 4.6' -,G
6*<*+?'. ' -,+ 0/-<2 /+' 7,' /55/6* ,'6*<,'/0' 7,'-*#,-' /' ,42
47,-,'67,'4.6'.8 *#, =',15 /=,<'*+'6$5,-*+ ,+<*+?' 7,' '$+G
<.='.+<' +<$6 -*.'687// 6' 47*87' 67,'7.<'3,,+' 7,'5-*+8*5.'
1,.+6' /0',6 .3 *67*+?' '7,' 4.6' ,.6=' /0' .88,662 7,-,0/-,2
/' 7,' 08+?' .+<' Q$,,+2 4* 7' 7,' . ,-' /0' 47/1' 67,' 6,,16'
/' 7.#,' 3,,+' 1/-,',65,8*. =' *+' 8/1 1$+*8. */+' ' '7.#,'
7*6' <.=2L' 4-* ,6' 7,'3,+,#/ ,+ 2 .<=' *+'7,-' B/$-+. 2 '7.<'
7,'$+,N5,8 ,<' 7/+/$-' /0' . ,+<*+?' 7,-' &.B,6 =2 .+<'7.<'
*+,N5-,66*3 ,' 5 ,.6$-,' *+' 7,-' 6,+6*3 ,2 7$1.+,2 .+<' -$ ='
(7-*6 *.+' 8/+#,-6. */+' &.='7,-' 5*/$6' <,6*?+' /0',6 .3 *67G
*+?' '$+<.=' 687// 6' .' F*+<6/-' 3,' 5$' *+' ,N,8$ */+T L' 0'
?.*+2 &-6' -*1 1,-' 4-* ,6' /' .' 0-*,+< Y ' '/1,' *1,' *+'
7,' .6' .$ $1+' ' -,8,*#,<' .' 1,66.?,' 0-/1' 7,' Q$,,+2 '
<,6*-*+?' 1,' /' . ,+<' 7,-' .' .' 8,- .*+' 7/$-I .+<' ' .88/-<0

I' -' =1# 67' ".67'-%"*-'),'2.,*-'+*"1-,.')(;*# *"1#6(.(82)' =*# "1-.(/8:,/'-('
,(.2,'-),')"./' 7')-),',F+.,## /,#".,'(0' *"1#6(.(82)')"#.,;*"1# =,.,' #86#,G
A8,1-%7' %*"/'67')-)(#,'(0')"#0.",1/'"1' (=':)8.,)7*./' =),.,'*%#('.,+(#,'-),'.,;*"1#
(0'Y(0%*1"' -' "0(' (0' .*' ." ; ; ,.' <(%'"' +'

*,‘ ,+,-.‘ /.-< /0‘ ?-*8$ /,‘ +‘ 7,‘ 4/-<6‘ /0‘ 7,‘ Q$.- ,- =‘ ,\@,4,-Y ‘ 7,‘ 4*6,‘ .+< 3,+,#/ ,+‘ ,N.15 ,‘ 6,‘ 3=‘ 7,‘ &/+.-87‘ 65,,<* =‘ 65-,.<‘ *6‘6. $.-=‘ *+0 $,+8,‘ 7,‘ 65*-*‘ /0‘ -$-.‘ *15-/#,1,+2‘ 7.#*+?‘ 3,,+‘ ,+?,+<,-,< .+< 0/6 ,-,< *+‘ 7,‘ -/=.‘ 67.<,6‘ /0‘ F*+<6/-2‘ 1.<,‘ **6‘ 4.=2‘ 0*-6‘ /‘ F/3$-+2‘ 7,+‘ /‘ /M7.1‘ .+< ,4/-72‘ 47,+8,‘ *‘ ?-.<$. =‘ BB,+,-. ,< 7,‘ 1/6‘ <*6 .+‘ .+< 6,8 $<,< 8/-+,-6‘ /0‘ 7,‘ *6 .+<‘ 7,‘ /4+,-6‘ .+< /88$5*,-6‘ /0‘ .+<2‘ 7-/$?7/$‘ 7,‘ 8/$+ -=2‘ 4,-,‘ ,00,8 $. =‘ -/$6,< 0-/1‘ 7,‘ $+5-/0* .3 ,‘ ,7.-?=‘ *+‘ 47*87‘ 7,=‘ .+< 7,*-‘ 5-,<,8,66/-6‘ 7.< 6/‘ /+?‘ 6-$+3,-,<‘ 7,=‘ 4,-,‘ .$?7‘ /‘ .55-,8*. ,‘ 7,‘ 7* 7,-/‘ +,? ,8 ,< -,6/$-8,6‘ /0‘ 7,*-‘ 5. ,-+.‘ </1.*+62‘ .+< 7,‘ *?72‘ 47*87‘ 7$6‘ $+,N5,8 ,< =‘ 7$-6‘ $BE+‘ 7,12‘ ,< /‘ *15-/#,1,+6‘ 1/-,‘ #.-*/$62‘ 1/-,‘ *15/-.+2‘ .+< 1/-,‘ 3,+,0*8*.‘ /‘ 7,‘ 5$3*82‘ 7.+‘ .+=‘ 87.+?,‘ 47*87‘ 7.< .M,+‘ 5.8,‘ *+‘ 7*6‘ 8/$+ -=‘ <$-*+?‘ 7,‘ .56,‘ /0‘ 7,‘ ,+‘ 5-,#*/$6‘ 8,+ $-*,6 L

3/$‘ 7*6‘ *1,‘ .6/‘ 4,‘ 0*+< 7,‘ *+?‘ .M*+?‘ .+‘ .8*#,‘ *+ ,-,6‘ *+‘ 7,‘ 3,+,#/ ,+‘ ,N,-*/+6‘ /0‘ A/7+‘ /4.-< /‘ .1,*/-.,‘ 7,‘ .3$6,6‘ /0‘ 5-*6/+‘ <*68*5 *+,I -,8,*#*+?‘ 7,‘ 57* .+ 7-/5*6‘ .‘ .‘ 5-*#.,‘ *+ ,-#*,4‘ .‘ F*+<6/-2‘ .+< 6$36,@$,+ =‘ 7,.<*+?‘ .‘ 6$368-*5 */+‘ 0/-‘ ,-,8 *+?‘ .‘ 6 . $,‘ *+‘ 7*6‘ 7/+/$-‘ 7*6‘ 7/1.?,‘ /‘ 7*6‘ #*- $,6‘ 4.6‘ 1/<,6 =‘ <,8 *+,< 3=‘ /4.-<2.55.-,+ =‘ 4* 7‘ *6‘ &.B,6 =06‘ 0$‘ .55-/#.‘ ‘ /4.-<2L‘ 6.*< 7,‘ *+?2‘ ‘ 4.+6‘ +/‘ 6 . $,‘ *6‘ #*- $,6‘ 4* ‘ *#,‘ 47,+‘ ,#,-=‘ 6 . $,‘ 7.6‘ 8-$13 ,< *+ /<$6 L‘ 0‘ '/1,‘ *1,‘ .0 ,-4.-<6‘ 7,‘ *+?‘ 67/4,< 7*6‘ -,65,8‘ 0/-‘ * ,-. $-,‘ 3=‘ M+*?7 *+?‘ 7,‘ ,.-+,< '*-‘ A/7+‘ ,++2‘ +/4‘ 5-*+8*5. =‘ M+/4+‘ .6‘ 7,‘ ,<* /-‘ /0‘ 7,‘ P .6 ,+‘ , ,-6 C

7,‘ 6/8*, =‘ *+‘ 47*87‘ 7,‘ *+?‘ 5-*+8*5. =‘ //M‘ .‘ 5 ,.6$-,‘ 4.6‘ 7.‘ /0‘ 6$87‘ 1,+‘ .6‘ 7,‘ ,-$<* ,‘ .+< .1*.3 ,‘ 5-, . ,62‘ $-< .+< *67,-2‘ *67/56‘ /0‘ F/-8,6 ,-‘ .+< '. *60

3$-= , . 1 *+? .+< "*- $, 8/ 13*+, D4,-, 8,- .*+ / 1 , , 4* 7 ! . +<0 , +8/$-.?, 1 , + . 3*6 3.+<6 H+<, - 3*6 /4+ -//02 . F *+<6/- (.6 , 4 , 0*+< 7*1 . 7*6 5, -*/< 6/8*.3 = , +B/=*+? 7 , 8/+#, -6. */+ 0-/1 *1 , / *1 , /0 '*- A/6, 57 .+M6 /0 A/7+ *?3 0// 7 , , 1*+, + 3/ .+*6 .+< /0 A.8/3 -=.+ 7 , , .-+, < .$ 7/- 0 /0 7 , P +. =6*6 /0 +8*, + & =7/ /?= & -?, + 4.6 *+#* , < / F *+<6/- / , N5 .*+ 7*6 68*, + *0*8 , N5, -*1 , + 6 , -687, / <*65 .= .+< , N5/$+< 7*6 4/+<, -0$, N5, -*G 1 , + 6 *+ 7 , 7 , .#, +6 47* , &-6 '*<</+. 6 * 8/+ *+$, < / 87.-1 7 , -/=. 0.1* = 4* 7 7 , - $+-*#. , < <-.1. *8 -, .<*+?6

A$*B 2 BBE 6$1 1 , - /0 7*6 =, .- 4 , 0*+< 7 , *+? -, +, 4*+? 7*6 .8@$.*+ .+8 , 4* 7 7 , .+**.3 , - , . *, 7 , .$ 7/- /0 P 7 , &*+6 -, 2 47/6 , , N*6 , +8 , 7 , 7.< -, +<, -, < , .6= 3= 6, *+? /+ 7*1 .5, +6*/+ /0 4/7$+<-, < .=, .- 7 , 5/, .6 7 , 7*16, 0 *+0/-16 $6 7.< 3, , + *+<$8, < /#*6* F *+<6/- 0/- .0, 4 <.=6 5.- = / , +B/= 7 , 6/8*, = /0 6/1 , 0-*, +<6 .1/+? 47/1 4.6 &-6 , .+=.+< 5.- = 0/- 7 , 5$-5/6 , /0 5.=*+? 7*6 -, 65, 8 6 / 7 , *+? .+< Q$, , + 0 7 , 0*-6 *1 , 7 , , +8/$+ , -, < 7 , *+? 4.6 /+ 7 , , --.8, *6 &.B, 6 = M+, 4 7*1 *11, <*. , = -, 8, *#, <7*1 *+ 7 , 1/6 ?-.8*/$6 1.++, - .+< <, .*+, <7*1 0/- .8/+6*<, -.3 , *1 , *+ 8/+#, -6. */+ 7 , +, N 1/-+G *+? .0 , - 7.#*+? . , +<, <5-.=, -6 *+ 7 , *+?0 5-*#. , 87.5, *6 &.B, 6 = 5-, 6, + , < 7*1 / 7 , Q$, , + 47/ -, 8, *#, <7*1 +/ , 66 ?-.8*/$6 = Y 1.M*+? M*+< *+@$*-*, 60 .0 , - 7*6 7, . 7 .+< -, 0, --*+? / 7 , 1.+= =, .-6 7. 7.< 5.66, < 6*+8 , 7 , = 7.< .6 8/+#, -6, < /?, 7, - . , 4 A 7 , Q$, , + 7 , + 8$- 6*, < 6*?7 = .+< 0/ /4, < 3= 7 , -*+8, 66 *>.3, 7 , + , -, < 7 , - 8.--*.?, 47*87 4.6 4.* G *+? . 7 , 87.5, < //- 7 , *+?L 4-* , 6 -, . *, 2

[*/*; , 3 "6%*7B# "*.7*1/ , --, .# <(% """ ++ ! ! U ! ! L !! U U9U ? <(% "< +
- 6"/ <(% """ + ! ". E (.6, #3# "0, (0 , *--", <(% "%% +
- , , *1-, <(% "" +

ʻ-,1.*+,<ʻ4* ʻH‟6/1,ʻ *1,ʻ /+?,-ʻ.+<ʻ . M,<ʻ /0‟#.-*/$6‟
1. ,-6ʻ5.-*8$.-=ʻ7,ʻ$+*/+ʻ/0‟7,ʻ8/ ,?,6 ʻ ,ʻ.6M,<ʻ
47, 7,-ʻ ʻ 4.620/-ʻ /-ʻ .?.*+6ʻ* Sʻ ʻ /<ʻ7*1ʻ ʻ4.6‟.ʻ
0-*,+<ʻ /ʻ 7,ʻ$+*/+ʻ Pʻ $ʻ /-<ʻ *++/$ 2Ć 6.*<ʻ7,ʻ P*6‟
#*/ ,+ʻ.?.*+6ʻ* Ć 7*6ʻ3=ʻ7,ʻ3=,ʻ ʻ <*<ʻ+/ʻM+/4ʻ D
3,0/-,ʻ 7,ʻ *+?ʻ65/M,ʻB/8$.-=ʻ/0‟1=ʻ7.#*+?ʻ3,8/1,ʻ
0.ʻ Pʻ-,1,13,-ʻ7,ʻ *1,2Ć6.*<ʻ7,ʻ P47,+ʻ=/$‟4,-,ʻ.6
,.+ʻ.6‟ - 00000 É 7,-,2Ć5/*+ *+?ʻ /ʻ.ʻ?,+ ,1.+ʻ47/ʻ4.6
6.+<*+?ʻ3=ʻ P)/$‟ //M‟#,-=4, 2Ć6.*<ʻ *6‟&.B,6=ʻ/ʻ
1,Ì P.+<ʻ ʻ.1ʻ8/+#*+8,<ʻ=/$‟.-,ʻ4, ʻ*0‟=/$‟4/$‟<ʻ/+=ʻ
7*+M‟6/Ć ʻ 7,+ʻ $-+*+?ʻ /ʻ -ʻ ,3,-<,+20‟47/ʻ4.6‟. 6/ʻ
6.+<*+?ʻ+,.-ʻ P /2ʻ -ʻ ,3,-<,+2Ć 7,ʻ 6.*<ʻ P8/+#*+8,ʻ
-ʻ ,. *,ʻ 7.ʻ7,ʻ*6‟ ***‟ 5,-0,8ʻ7,. 70Ć Pʻ7.#,ʻ3,,+ʻ
,+<,.#/$-*+?ʻ'*-2Ć-,5*,<ʻ 7,ʻ</8 /-ʻ Pʻ /ʻ</ʻ6/ L Ćʻ

ʻ0,4ʻ<.=6‟.0 ,-4.-<6ʻ/+ʻ 7,ʻ.++$.ʻ/88.6*/+ʻ/0‟ʻ ,8G
/+ʻ &/+<.=ʻLʻ.ʻ /+ʻ4,ʻ0+<ʻ 7,ʻ *+?ʻ5-,6,+ʻ.ʻ7,ʻ
<, *#,-=ʻ/0‟7,ʻ ʻ'5,,87,6‟Lʻ3=ʻ7,ʻ687/ .-6‟/0‟7*6‟0.#/$-* ,ʻ
687//ʻ /ʻ7,ʻ *67/5‟/0‟F/-8,6 ,-ʻ7,ʻ4-* ,6‟/+ʻ7,ʻ 7‟
/0‟A$ =ʻ9:;:Yʻ .#*+?7,.-<ʻ0-/1ʻ -ʻ .+?0/-<[ʻ7.ʻ
7,ʻ6,6‟/$ʻ /01/--/4ʻ0/-ʻF/-8,6 ,-ʻʻ8.++/ʻ/1*ʻ6/‟
0.#/$-.3 ,ʻ.+ʻ/55/-$+* =ʻ/0‟*+@$*-*+?ʻ.0 ,-ʻ=/$-ʻ7,. 7ʻ
ʻ67.ʻ /01/--/4ʻ. ,+<ʻ7,ʻ65,,87,6‟.ʻ /+ʻ.6‟ʻ4*67‟
0-/1ʻ*1,ʻ /ʻ*1,ʻ /ʻ67/4ʻ.ʻ-,?.-<ʻ0/-ʻ 7,ʻ ,<$8.*/+ʻ/0‟
=/$ 7ʻ/+ʻ47*87‟ 1/6ʻ,66,+*. =ʻ<,5,+<6‟1=ʻ7/5,6‟/0‟.+ʻ
.<#.+.?,/$6‟87.+?,ʻ*+ʻ 7,ʻ1.++,-6‟/0‟ 7,ʻ+.*/+ʻ)/$‟
1.=ʻ,.6*=ʻ*1.?*+,ʻ 7.ʻ ʻ.1ʻ+/ʻ.ʻ* ,ʻ.+N*/$6‟0/-ʻ 7,ʻ
+,Nʻ4,,Mʻ47,+ʻ -,<,-*8M‟4*ʻ-, $-+ʻ0-/1ʻ47/1ʻʻ7.#,ʻ
?*3.ʻ-,.6/+ʻ /ʻ,N5,8ʻ1$87‟8/10/-ʻ 7,ʻ.88/$+6‟/0

Iʻ),ʻ "12ʻ*%8/,/ʻ-(ʻ*ʻ+%*1ʻ9=)":)ʻ)*/ʻ6,,1ʻ;8:)ʻ/"#:8##,/ʻ*6(8-ʻ-)"#ʻ-";,ʻ(0‟
81"-"12ʻ-),ʻ "123#ʻ*1/ʻ *."#:)*% (%%,2,#(0‟ %/ʻ*1/ʻ ,=ʻ 6,./,,1ʻ ʻ+,-"-"(1ʻ-(ʻ
-),ʻ "12ʻ"1ʻ0*<(8.ʻ(0‟-),ʻ81"(1ʻ)*/ʻ6,,1ʻ#"21,/ʻ67ʻ*%‟-),ʻ/"21"-*.",#(0‟ 1."#:)*%
(%%,2,ʻ=)"%,ʻ(1ʻ-),ʻ(-),.ʻ6*1/ʻ"-ʻ=*# (++(#,/ʻ67ʻ-),ʻ ."1:"+*% *1/ʻ#"#ʻ(0‟-),ʻ .(G
0,##(.#(0‟ "12B#ʻ (%%,2, 4 ,,ʻ ʻ ( )ʻ* ʻ ʻ+ ʻ<(%ʻ"""ʻ++ʻ! ʻ ʻ ,
-ʻ .ʻE"%%"*;ʻ ,6,./,1ʻ-),ʻ/"#-"128"#),/ʻ+)7#":"*1ʻ 8:)ʻ(0‟-),ʻ%*#-ʻ+*.-ʻ(0‟)"#
%"0,ʻ=*#+*##,/ʻ*-ʻE"1/#(.ʻ=),.,ʻ),ʻ/",/ʻ *7ʻ ʻ
-ʻ ".ʻEʻ (.6,#3ʻ "0,ʻ(0‟ ,*--",ʻ<(%ʻ"""ʻ++ʻ 9 !
Zʻ E"%%"*;ʻ *120(./ʻ ʻ (=,.ʻ *#-,.ʻ(0‟ -(1ʻ :)((%0.(;ʻ Lʻ-(ʻ ʻ *1(1ʻ
(0‟E"1/#(.ʻ*1/ʻ$":*.ʻ(0‟#%(=(.-)ʻ ,ʻ/",/ʻ"1ʻ U

.66$-.+8,6L‘ /‘ 7,‘ /$6,‘ /0‘ (/11/+6‘ 7.‘ 7*6‘ 0$ $-,‘
,N5,+6,6‘ 67/$ <‘ 3,‘ 8/+0*+,<‘ 4* 7*+‘ ^*6‘ *+8/1,2
7,‘ -*+8,06‘ *.3* * *,62‘ *‘ 67/$ <‘ 7,‘ 1,+ */+,<2‘ .1/$+ ,<‘
/‘ 9 2K_;]2‘ .‘ 8/+6*<,-.3 ,‘ 6$12‘ .‘ 7*6‘ *1,2‘ 0/-‘ .‘ =/$ 7‘
/0‘ 4,+ =00/$-‘ /‘ 7.#,‘ *+8$--,<2‘ =,‘ -*0 *+?‘ 47,+‘ 8/1G
5.-,<‘ 4* 7‘ 7,‘ ,+ -+E5$6‘ <*63$-6,1,+ 6‘ 47*872‘ <,65* ,‘ 7,‘
?$.-.+ ,,‘ +/4‘ ?*#,+‘ 3=‘ 7*1‘ /‘ .-*.1,+2‘ 7*6‘ ,N -.G
#.?.+8,6‘ 6$36,@$,+ =‘ ,+ .* ,<‘ $5/+‘ 7,‘ 8/$+ -=‘ ‘ .‘
,#,+ 62‘ 5,.8,‘ .+<‘ $+* =‘ 4,-,‘ 0/-‘ 7,‘ 5-,6,+‘ -,6 /-,<‘ /‘
7,‘ /=.‘ .1* =‘ +‘ 7,‘ W‘ 7‘ /0‘ &.=2‘ .+‘ *+ ,-#*,4‘ /0‘
7-,,‘ 7/$-6C <$-. */+‘ //M‘ 5.8,‘ .‘ $8M*+?7.1‘ /$6,‘
3,4,,+‘ 7,‘ .+?‘ .+<‘ 7,‘ -*+8,2‘ .‘ 7,‘ 8/6,‘ /0‘ 47*87‘
7,‘ 0/-1,-‘ 8/+<$8 ,<‘ 7*6‘ .55.-,+ =‘ 8/+ -* ,‘ 6/+‘ /‘ 7,‘
5-,6,+8,‘ /0‘ 7*6‘ 1/ 7,-‘ .+<‘ 6*6 ,-6‘ ‘ ‘ .*@‘ / <2L‘ 4-* ,6‘
,+,-.‘ ($++*+?7.1,‘ /‘ &-‘ <,+2‘ ‘ 7,‘ -*+8,‘ *6‘ -,6/ #,<‘
+,#,-‘ .?.*+‘ /‘ @$.--,‘ 4* 7‘ 7*6‘ 0.7,-‘),6 ,-<.=‘ 7,‘
-.4*+?0-//1‘ 4.6‘ 0*+,2‘ .+<‘ 8-/4<,<‘ .6‘ .‘ *- 7<.=‘
7,‘ -*+8,06‘ 7/$6,7/ <‘ .‘ M*66,<‘ 7.+<6‘ 7,‘ Q$,,+‘ .+<‘
-*+8,66,6‘ 6,,1,<‘ <, *?7 ,<2‘ .+<‘ 7,‘ E*+?‘ #,-=‘ 87,,-G
0$ L‘ 0‘ 7-,,‘ 4,,M6‘ .0 ,-4.-<62‘ 4,‘ 0*+<‘ 7,‘ -*+8,‘ 7,‘
81,‘ ‘ *+?06‘ (/15.+*/+‘ *+‘ 7*6‘ ,#,+*+?‘ 4.M‘ /+‘ 7,‘ ,--.8,‘ .‘
F*+<6/-2‘ 47,-,2‘ 3=‘ 7,*-‘ 0-,@$,+ =‘ .+<‘ 0.1* *.- =‘ B/*+*+?‘
+‘ 8/+#,-6./+2‘ 7,=‘ .00/-<,<5$3 *8‘ .+<‘ 5,.6*+?‘ ,#*<,+8,‘
/0‘ 7,‘ -,8/+8* *.*/+‘ 47*87‘ 7.<‘ .M,+‘ 5.8,‘ A
0‘ .+= 7*+?2‘ .‘ 7*6‘ *1,2‘ 4.6‘ 4.+ *+?‘ /‘ 8/15,‘ 7,‘
*+?06‘ 6.*60.8 */+2‘ *‘ 4.6‘ 7,‘ ,N5,8 ,<‘ -, $-+‘ 0-/1‘ ,-G
1.+=2‘ .0 ,-‘ .‘ /+?‘ .36,+8,2‘ /0‘ 7*6‘ 0.#/$-* ,‘ 6/+2‘ 7,‘ $M,‘
/0‘)/-M2‘ +/4‘ *+‘ 7*6‘ 4,+ =00/$- 7‘ =,.-‘ ‘ 7*6‘ <.=‘ 7-,,‘
4,,M62L‘ 4-* ,6‘ 7,‘ $M,‘ /‘ '*-‘ /3,-‘ ,* 7‘ /+‘ 7,‘ 96‘ /0‘
A$ =2‘ ‘ ‘ 67.‘ 6,‘ /00‘ $5/+‘ 1=‘ -, $-+‘ 7/1,‘ ‘ *6‘ +/‘
+,8,66.-=2‘ ‘ .1‘ 6$-,2‘ /‘ ,N5-,66‘ /‘ =/$ 7/4‘ *15.*,+‘ ‘
.1‘ /‘ -, $-+2‘ .6‘ * ‘ *6‘ +,.-‘ 6,#,+‘ /+?‘ =,.-6*‘ 6*+8,‘ ‘ ,0

[‘ (7*% ,##*2,‘ #-‘ *7? 118*% ,2"#-,.‘0(.‘ ‘++‘ ! ‘
0‘ 8:@%*1/‘ (..,#+(1/,1:,‘ <(%‘ "‘ 5N‘ U
]‘ */*;,‘ .6%*73# "*.7‘ *1/‘ ,--,=‘ <(%‘ """"‘ +‘ !

7,' $M,' /0') /-M' /+' 7,' 9K 7 Y E3/ 7' /0' 47*87' 4,-,' /0' 8/*$06,' 8, ,3-. ,< 4* 7' ,N -. /-<*+.-=' -,B/*8*+?6
+' 7,' -$,.+' *1,2' 4,' 0*+<' 7,' #,+,-.3 ,' &-6' , .+=2' 47/6,' <.=6' 4,-,' +/4' 8. 1 =' <-.4*+?' /4.-<6' .' 8 /6,2' 8/+ *+$*+?' /' -,8,*#,' 0-/1' 7,' *+?' .+<' Q$,,+' 7,' 1/6' ?-. *0=*+?' 5-//06' /0' 7,*-' .00,8 */+' .+<' -,65,8 ' '7,' 7.6' ' 7,' ?-,. ' 5-*#* ,?,' .+<' 7.55*+,662L' 67,' 4-* ,62' ' /0' 65,+<*+?' 7-,,' /-' 0/$-' ,#,+*+?6' .' 4,,M' . ' 7,' Q$,,+06' /<?,*+<,,<2' 6/' </1,6 *8. ,<' 7.<' 67,' 3,8/1,' 4* 7' 7, ' /=. ' .1* =2' 7. 2' /+' .+' /88.6*/+' /0' 7,' (/$-' @$* *+?' F*+<6/-' R0/-' /+</5222' 7/$?7' /+ =' 0/-' 7-,,' <.=62' 67,' <,68-*3,6' 7,-6, 0' .6' 0,, *+?' ' <,6/ . ,L' ' 7,' *+?' .+<' Q$,,+2L' 4-* ,6' /+,' /0' 7,-' / <0-*,+<62' ' .+<' . ' 7,'=/$+?,-' 3-.+87,62' *+8-,.6,' *+' .00,8 */+' .+<' -,65,8 ' /' &-6' , .+=' '7,' 3-,.M0.6 ,<' 4* 7' 7,1' =,6 ,-<.=2' .+<' 7,' *+?' . 4.=6' 1.M,6' 7,-' ,.+' $5/+' 7*6' .-1 L' '7,' 7,-6, 0' 3,.-6' 0-,@$,+' .+<' ?-. ,0$' ,6 **7/+=' /' 7,' ?-,. ' M*+<+,66' /0' 7,' /=. ' .1* =' ' 0' ' 7.<' 6 -,+? 7' /0' 65*-* 62L' 67,' 4-* ,62' ' /' 8/1 1$+*8. ,' /' =/$' 7,' $+-,1* *+?' 7/+/$-6' .+<' 0.#/$-6' ' 7.#,' -,8,*#,<' 0-/1' 1=' -/=. ' 0-*,+<62' * ' 4/$ <' 3,' .' 1$ $. ' ?-. *0*8. */+' /' $6' 3/ 7I' 3$' 7. ' ' </' +/' 0,, ' 1=6, 0' ,@$. ' / L' +<' .?.*+' 67,' 4-* ,6# $ ' ' +/' M+/4' 7/4' /' 5.-*8$.-*6,' 7,' 8/+<,68,+<*+?' ?//<+,66' 47*87' ' <.* =' ,N5,-*,+8,I' .+<' * ' *6' .' 1. ,-' /0' -,. ' .6 /+*671,+' /' 1,2' 6/' $+@$. *0*,< .6' ' .1' .+<' $+<,-' 7,' /.</0'=,.-6' .+<' 6/1,' *+0*-1* *,62' 7. ' ' 67/$ <-,8,*#,' 6/' 1.+=' $+-,1* *+?' 1.-M6' /0' 0.#/$-' $2' 7,' -$ 7' *62' 7,' /#,' /0' ?*#*+?' 8/10/-' .+<' 3,6 /4*+?' 7.55*+,66' 6,,16' /' 5-,</1*+. ,' *+' 7,' 7,.-6' /0' 1=' -/=. ' 0-*,+<6 L'
3/$' 7*6' 5,-*/<' /88$*7C,<' .' 6/1,47. ' .1$6*+?' *+8*<,+' 8/++,8 ,<' 4* 7' /+,' /0' 7,' *+?06' $+.++/$+8,<' #*6* 6' /' &-6' , .+=' 55.-,+ =' 0*+<*+?' 7,' <-.4*+?0-//1' H+ ,+.+ ,<2' 7,' M+/8M,<' . ' 7,' </-' /0' .+' .5.-1,+' *+' 47*87' 4,-,' .' 3,.$ *0$' =/ 1?' +*,8,' /0' &-6' , .+=' .+<

F ‘U X ‘ ‘ ‘ ‘ !

*/+,< /‘ &*66‘ $-+,=2‘/+‘ *-,‘+*? * ‘ /0‘ *,-‘ <,. 72‘ 4.6‘ 7. ‘ /0‘ 7,‘ *+? ‘ /‘ *6‘ &.B,6 =‘67,‘ ?-. ,0$H=‘3,@$,. 7,< .‘ 5*8 $-,‘ /0‘ 0-.5,62‘ 3=‘ &*87.,‘ +?, /‘ (.-.#.??*/2‘ .+< /‘ 7,‘ Q$,,+‘ .‘ 3/N2‘ 8/+ .*+*+?‘ .‘ 1*+*. $-,‘ /0‘ 7,‘ . ,‘ $87,66‘ /0‘ /- .+<2‘ .+< 6/1,‘ /0‘ 7,-‘ -.8,06‘ 7.*-‘ *+‘ .‘ 8*57,-‘ 7,‘ *+?‘ 67/4,< 7*6‘ -,?.-< 0/-‘ &-6‘ , .+=06‘ 1,1/-=‘ 3=‘ 5-/#*<*+?‘ 0/-‘ 7,-‘ 0.* 70$‘ . ,+<.+ 2‘ ++,‘ 6 ,=2‘ 47/‘ ,+<,< 7,-‘ /‘ 7,‘ .6 0
7,‘ 0/ /4*+?‘ 0$- 7,-‘ ,N -.8 6‘ 0-/1‘ 7,‘ *+?06‘ , ,-6‘ .-,‘ 6, ,8 ,< .6‘ <*65 .=*+?‘ 7,‘ 6 ,.<=‘ .+< 4*6,‘ *+ ,-,6‘ 47*8 -B*,‘8/+ *+$,< /‘ .M,‘ *+‘ 7,‘ .00.*-6‘ /0‘ (7$-87‘ .+< -*-,?

' ‘ (‘ ‘ & ‘) "

56"7)8

C‘ !‘ 3 g !./‘

R‘ ‘-, $-+‘ 7,‘ , ,-6‘ 0-/1‘ &,+<*/ .2 .+< .55-/#,‘ 7,‘ <*6G 8.*1*+? *+‘ 7,‘ 6-/+?,6‘ 1.++,-‘ . ‘ *<,.‘ /0‘ *+ ,-0,-*+?‘ *+‘ 7,‘ <*68/+ ,+6 /0‘ 7,‘ *+7.3* .+6 /0‘ 7,‘ '5.+*67‘ 6, ,1,+6 *+‘ ' /$7‘ 1,-*8.‘ 6 ‘7.#,‘ ,#,-‘ 7/$?7‘ 7,‘ 8/+<$8‘ /0‘ -.+8,‘ *+‘ /-7‘ 1,-*8.‘ $+B$6 *0*.3 ,2‘ ‘ 8,- .*+ =‘ 8.+‘ +,#,-‘ 8/5=‘ 6/‘ 0.* 7 ,66‘ .+‘ ,N.15 , L‘0

‘ : ‘ ‘ ; ‘

#‘ $ ‘ % ‘ 3 g 1/‘

‘ =‘ =/$-‘ +/ ,2 47*87‘ 1, ‘ 1,‘ .6 ‘ 4.6 -*<*+?‘ /‘ /4+2‘ ‘ 0*+< 7,‘ *67/5 /0‘ , ,-3/-/$?7‘ <,8 *+,6‘ 7,‘ ,.+,-=‘ /0‘ ' ‘ .$ 062 .+< 7. ‘ 7*6‘ 7.6‘ 1.<,‘ =/$ -,+,4‘ =/$-‘ .55 *8. */+‘ 0/-‘ -‘ -, =0‘ 1.+‘ ‘ 6,‘ =/$ 7.#,‘ * ‘ 6/‘ 1$87‘ . ‘ 7,.-2 7. ‘ ‘ 8.++/‘ , ‘ 1=‘ -,.6/+‘ ?$*<,‘ 1,‘ 7?.*+6‘ 1=‘ *+8 *+. */+‘ /‘ /3*?,‘ =/$‘ ‘ 7,-,0/-,‘ 8/+6,+‘ /‘ 7*6 7.#*+? 7*6‘ ,.+,-=‘ 4* 7‘ 7,‘ *67/5-*8 /0‘ *+8/ +2 7/$?7‘ ‘ .1‘ 8/+0*<,+‘ * ‘ 4* ‘ 3,2 3=‘ . ‘ 3$‘ 7/6,‘ 8/+8,-+,<2 7/$?7‘ #,-=‘ $+-,.6/+.3 ,2 .+< ‘ 67/$ < 0,.-‘ 4* ‘ 6,-#,‘ .6 .‘ 5-,8,<,+‘ /‘ 7,‘ *M,‘ .55 *8. */+6‘ F7* ,‘ <,67,6‘ *+8-,.6,2 7,‘ 1,.+6 /06. *60=*+? 5,/5 ,‘ 7.#,‘ 3,,+‘ 1$87‘ <*1*+*67,< L‘ [

[‘ ,;("#(0‘ .‘ 8.1,7‘67‘6"#‘ *82)-,.‘<(%‘"""‘+‘ L
-‘ */7‘ %*1(<,.3# ,;("#(0‘ .#‘ ,%*17‘<(%‘"""‘++‘U ‘U ‘U ‘ ,:(1/‘
:.",#‘ */*;,‘ 3 .6%(73# 883‘*1/‘ ,--,.#‘<(%‘"<‘+‘ !U
‘ *.%‘ -*1)(+,3# "0,‘(0‘ "--‘<(%‘"‘+‘>> ‘ ++,1/">‘ Z‘ N"/‘+‘>>"

‘ ‘(‘ ‘&"‘) "

C‘+ , ‘-. ‘

‘ ‘8.+$/‘-, $-+‘ /‘ 7,‘ ',8-, .-=‘ /0‘ ' . ,06 /00*8,‘ 7,‘#,-=‘ 1. ,-*.‘ 5.5,-62 /+‘ 7,‘ 5 .+6‘ /0‘ -.+8,‘ 4*7‘ -,?.-<‘ /‘ +<*.2 4*7/$‘ 6,+<*+?‘ &-‘ * ‘ .‘ 0,4‘ *+,6‘ ‘67/$‘<7/5,*7,‘ 4*‘ .8@$.*+‘ 7,‘ (.3*+,‘ /01/--/4‘ 7.‘ ‘ .1‘0/-1*+?‘0/$‘-,?*1,+6‘ 0/-‘ 7.‘ 6,-#*8,2 .+<‘ 7.‘ 7,‘ 4*‘ 5$67‘ /+‘ .‘ +,?/*. */+‘ 4*7‘ &‘ /,-6‘ /‘ 1.8,‘ 7,‘ 4/‘ (/15.+*,6‘ $+<,-6 .+<‘ /+,‘ .+/7,-2 .+< .M,‘ ,00*8*,+‘ 1,.61-,6‘ /‘ 6,8$-,‘ $6‘ .?.*+6‘ /*1‘*+6*<*/$6 +,*?7-‘ 7/$-6‘ ,-7.56‘ +/‘ 5.-‘ /0‘ 7,‘ 87.+?,‘*+‘ / .+<‘*6 6/‘ 1. ,-*.‘ /‘ 7*6‘ 8/$+ -=‘ .6 7,‘ ?.*+*+?‘ 7.‘ ,5$3*8‘ .6 .+‘ . =‘*+‘ +<*.‘ ‘-,8/11,+<‘ 7.‘ +/‘ *1,‘ 67/$‘<3,‘ /6‘*+‘ 3-*+?*+?‘ 7*A a‘3,.-2 .+</$-‘ (/15.+=‘ /$?7‘ /‘ 3,‘ *3,-.‘*+‘*6‘ /00,-6‘ /‘ ,00,8‘*2L

7,‘0/ /4*+?‘ , ,-‘0-/1‘ 7,‘ *+?‘ 7.6‘ -,0,-,+8,‘ /‘ .‘ +.--/4‘ ,68.5,‘0-/1‘<,0,. 2 47*87‘ &*+*6 ,-6‘ ,N5,-*,+8,<‘*+‘ 7,‘ /$6,‘ /0‘ (/11/+6‘ /+‘ 7,‘ W 7‘ /0‘ &.-872 9:;;2 <$-*+?‘ 7,‘<*68$66*/+6‘ /+‘ 7,‘ ‘ +<*.‘ ,8 .-. /-=‘ * L‘ * ‘7.< 3,,+‘ 5-,#,+ ,<‘ 3=‘ 6$<<,+‘*+<*65/6**/+‘ 0-/1‘ -,5 =*+?‘ /‘ .‘#,-=‘ .3 ,‘ 65,,87‘ /0‘ /N‘f 7,‘ -,6$ ‘ 3,*+?‘ 7. 2 47,+‘ 7,‘ &,13,-6‘ 8.1,‘ /‘ .‘ <*#*6*/+2‘*‘ 4.6‘ 4*7‘ 7,‘ 1.?*8‘ /0‘ /N06‘ ` /@$,+8,‘ <,,5=‘*15-,66,<‘ $5/+‘ 7,*-‘ 1*+<62 .+< 4*7‘ 7*6‘ .-?$1,+ E‘ #*- $. =‘ $+.+64,-,<‘ ‘ 7*+M2L‘ 4-*,6‘ F* *.1‘ -,+#* ,‘ /‘7*6‘3-/7,-2 /-<‘ $8M*+?7.12 ‘ 7*6‘ *6‘ 7,‘ 1/6‘ $+5 ,.6.+‘ 7*+?‘ /0‘ 7,‘ 6/-‘ 7.‘7.6‘ 7.55,+,<‘ /‘ $6‘‘L‘0 Y

‘ ‘(‘ ‘&"‘) "

< ; ‘ ‘

E‘ 7.#,‘ <, .=,< .8M+/4 ,<?*+?‘ 7,‘ -,8,*5‘ /0‘ &-‘ * 06 +/ ,2 *+0/-1*+?‘ 1,‘ /0‘ 7,‘ *#*6*/+‘*+‘ 7,‘ /$6,‘ /0‘ (/11/+6‘ 7*6 1/-+*+?2 ,6‘ 7,‘ 1*?7‘7.#,‘ 3,,+‘ <*6 $-3,< 47,+‘*‘4/$<7.#,‘ 3,,+‘ 7*?7=‘*+8/+#,+*,+‘ ‘ *6 .1.>*+?‘ 7/42 /+‘ .‘ 6$3B,8‘ 7.‘ 8/$<3,‘-,<$8,<*+ /‘ 6/‘ 61. ‘ .‘ 8/15.662 7,‘ /$6,‘ 4/$<7,.-‘ 6$87‘ /+?‘ 65,.M*+?‘ 7,‘ /3B,8‘ /0‘ 55/6**/+‘ 4.6 ,#*<,+ =‘ /‘ /3*?,‘ 7,‘ / <.+< *+0*-1‘ 1,13,-6‘ /‘ ?*#,‘ $5 7,‘ . ,+<.+8,2

47*87 *6 -,.6/+ 6$00*8*,+ 0/- 7,0-*,+<6 /0 /#,-+1,+ /65,.M 1,-, = / 7, 5/*+ *+20$ $-,I .+< -= /0 67/- ,+ <,3. ,6 .+< 3-*+?2 *0 5/66*3 ,2 7,5-,6,+ 3.< 1/<, /0 1,87.+*8. /-. /-= *+ /<*68-,<* L

 7,0.8 *62 7. 7,* +,66 /0 7, -*1, &*+*6 ,- 4.6 88.6*/+,< 3= .<,3.$872 *+ 47*87 7,7.< 3,,+ *+<$8,< /*+<$?, /+ 7,5-,8,<*+?+*?7 + .6 F,<+,6<.=LY 4-* ,6 /-< $H , ,= / 7, &.-@$*6 /0 $8M*+?7.1 /+ 7,9 7Y &- * ,N5,-*,+8,<. 1/- *0*8. */+2 +/ /+ = 0-/1 7, .3* * *,6 /0 7/6, 47/ /55/6, 7*12 3$ 0-/1 7, <,0,8 */+ /0 6/1, /0 7*6 0-*,+<62 .+< 7, $M,4.-1+,66 /0 / 7,-62 7. 7,7.6 +/ ,N5,-*,+8,< 6*+8, 7, 7.6 3,,+ . &*+*6 ,- 4.6 .+ .4M4.-< <.= 0/- 7*12 .+< 7,0, * 7, 1/-, 3,8.$6, 7, 7*16, 0 4.6 /40?5*-* ,< .+< /#,-G 8/1, 3= 7, 7,. /0 7, /$6,2 *+ 8/+6,@$,+8, /0 7.#*+?? / <*($+M 7, +*?7 3,0/-, . =/$- 7/$6,2 *+ . &. 2 4* 7 &- $+<.6 .+< 7, $87,66 /0 0/-</+ 0 7,= 1$6 7.#, 7.< .7.-< 3/$ /0 * 2 0/- ,#,+ $+<.62 47800*6 4,H $6,< / 7, 3/ ,2 4.6 .00,8 ,< 3= * 2 .+< 65/M, -,G 1.-M.3 ,+*2 ,</$62 .+< <$ 7, 55/6* */+ 7,-,0/-, 1.<, 7, 1/6 /0 7,*- .<#.+ .?,62 .+<-.M,< * 2 0/-, .+< .0 2 *+ 6$87 .1.++,- .6,#*<,+ = 1.<, .+ *15*,66 /+ 7*1 7,.-< 0-/1 /$- /4+ 0-*,+<6 7. +/ &*+*6 ,- ,#,- 8$ .1/-, 5* *0$ 0*?$-, L A * 2 7/4,#,-2 4/<.=6 .0 ,-G 4.-<62 .15 = -,8/#,-,< 7, ?-/$+< 47*87 7, 7.< /62 3= 1.M*+? /+, /0 7, 3,6 .+< 1/6 1.6 ,- = 65,,87,6 L 7, ,#,- <, *#,-,< E

' (0 1 "

H>" ""3# & " ; 9 = _ +I ' (

 7.#, <, *#,-,< 7, , ,- / 7, Q$,,+2 .+< ,N5 .*+,<0*, 1*6 .M, 3= 47*87 * 7.< 3,,+ /5,+,<2 3$ 8.++/ 5-, ,+< 7.

I *.% -*1)(+,3# "0,(0 "--<(% "'+ >>""" ++,1/">
- (./ , ; +%,3#)(8#,"1 *R *%%1(=0(. ; "12*+(.-"(1(0-), E*. ,+*.- ; ,1- =*# *- -)"#-"; ,%,- (1)"., -(%,>*1/,. 8@,(0 (./(1 =)(#," =--7*1/ , : :,1-.":/8:),## =*# -), %*/7 ; ,1-"(1,/"1"-), +3 % / & <(% ""+ - 8:@"12)*; *+,.#<(% "'++ ! ! Z 6"/'+ !

(2 %)

(8/8:- (0 -)(' ."1:,' (0 E *%,# 4 ' "#' ,<"% "10%8,1:,' (1 -),' 8@,' (0 (.@ 4 ' (:",-7 1- ."2)-(1 81/,.' -)(' *8#+":,# (0 -)(' ."1:,' 4 ' ++.(*:)' (0 -)(' "123# ; ,1-*% ; *%*/7 4 ' "#' <"#"- -(' %",%-,1)* ;' 4 ' >:8.#"(1# 4 '),' 8@,' (0 (.@3# 0%7"12 <"#"- 4 '),' "123# <"#"-# -(' *.-%,68.7 E(.:,#-,.' *1/' *-#(1 4 ' :-"81 -(' E"1/#(.' 4 '),' "123# *++.(*:)"12 "1#*1"-7 0".#- #8#+,:-,/' 67' .#' "//(1# 4 ' "# *%-,.,/' ; *11,.' 1- -),'%,<,.' 4 ' "# /,#".,'-(':(1:,*%)"# #800,."12# 4 ' .(2.,## (0 -)(' /"#,*#,' 4 ' --*:@,/' ="-)' /,%"."8 ;' 4 ' "#-.,## (0 -%"," H8,,1 4 ' ,*.# (0 -)(' +)7#":"*1# 4 ' *+-*"1' *71,3# *::(81- (0 -),' "123# :(1/"-"(1 4 ')(' "123# #8//,1 *++,*.*1:,' * ; (12 -)(' ."1:,# *1/' (-),.# "1' *1 */5("1"12 *+*.-; ,1-4 ' %*. ;' (0 -)(' +*.-7 9 ' (1/8:- (0 (%(1,% "2)7

$ %&' ()' *,' 5-/1*6,6 /0 .1,+<1,+' D40**8* *.< R3,+ 1.<,' 3= 7,' -*+8,' /0 F.,6 . ' 7,' *1,' /0 7*6 -,8/+8* *. */+ /' 7*6 0. 7,-2 .+< 7,' ?//< -,6/ $ */+6 47*87 . ' 7. ' *1,' 7,' 5/66*3 =E *+' . ' 6*+8,-* =2 0/-1,<2 * ' 6,,16 /' 7.#,' 7,,+' * ,' 1/-,' 7.+' ,+' 1/+ 76 3,0/-,' 7,' -, .56,< *+ /' 7*6 0/-1,-' 7.3* 6 /0 ,N -.#.?.+' <*66*5.G */+' .+< 5/ * *8.' 7/6 * * =' /' 7*6 0. 7,-' +' &.-872 9:;;2 0/-' *+6 .+8,2 4,' 0*+< 7*1' /36 -$8 *+?' &-' * ' <$-*+?' 7,' 5-/?-,66 /0 7,' +<*.' ,8 .- /-=' * _7-/$?7 7,' /$6,' /0 (/11/+62 .+<2 *+' A$ =' 0/ /4*+?2 *+ ,-0,-*+?' *+' 7,' F,6 G 1*+6 ,-' , ,8*/+ ' +' 7,' 0*-6' /0 7,6,' /88.6*/+6 * ' 4.6 $+<,-' +/' #,-=' 8-,<* .3 ,' 8*-8$16 .+8,6' 7,' .6' +<*.' (/15.+=' 7.#*+?' 5, * */+,< .?.*+6' 7,' * 2 -6M*+,' 4.6 7,.-< .60 7,*-' 8/$+6,' . ' 7,' .-' /0 7,' (/11/+6' ,' 7.< 65/M,+' 4* 7' * ,' ,00,8' 0/-' +,.- =' 7-,' 7/$-62 47,+' 7,' 3,8.1,' 6/' *+<*65/6,< .6 /' 3,' 8/15, ,< /' <,0,-' 7,' <, *#,-=' /0 7,' -,1.*+<,-' /0 7*6 65,,87 * ' .' . ,-' 7/$-' ,' 4.6 4, ' ,+/$?72 7/4,#,-2 /' <*+,' *+' 7,' 8/00,,0-//1' /0 7,' /$6,' /0 (/11/+6 4* 7' 7,' -*+8,2 /0 F.,62 47/2 *

6 6.<2 ‘5-*1,<L‘ 7*1‘ 4* 7 3-.+<=2 =< 7 .55.-,+ =‘ +/‘ / 7,-‘ /3B,8‘ 7.+‘ 7.‘ /0 *+8* *+?‘ 7*1‘ /‘ -$+‘ -*/‘ .?.*+6‘ 7,‘ /#,-+1,+‘ ‘ -6M*+,2L‘ 4-* ,6 /-< &/-+*+? /+‘ /‘ 7,‘ &.-@$*62 /0 $8M*+?7.12 65/M,‘ 0/-‘ +,.-‘ 4/‘ 7/$-62 .+< <, *#,-,< 7,‘ 1/6‘ 6 $5*<2 ?-/662 .+< *+<,8,+‘ *3,‘ .?.*+6‘ * ‘ 7.‘ ,#,-‘ 4.6 *1.?*+,<‘ 7,‘ .3$6,‘ 4.6 6/‘ 1/+6 -/$6 7.‘ 7,‘ /$6,‘ 7*66,< 7*1 L‘ * 2 .88/-<*+?/‘ /-< &/-+*+? /+2 //M+/‘ +/ *8,‘ /0 -6M*+,05‘ * *+?6?. , L‘

$‘ *0 7,‘ 8/+<$8‘ /0 7,‘ -*+8,‘ /0 F. ,6 4b6 .‘ 6/$-8,‘ /0<*6 -,66 /‘ 7,‘ *+?2 7/4 1$87 1/-,‘ .00 *8,< 1$6‘ 7,‘ 7.#,‘ 3,,+‘ .‘ 7,‘ . ,-,< 3,7.#*/$-‘ /0 7*6 3, /#,< 6/+2 7,‘ $M,‘ /0)/-M† 7/6,‘ 47/‘ 7.< .$?$-,< 7.‘ 7,‘ 3, ,-‘ 5-*+8*5 ,6 /0 7,‘ =/$+?‘ -*+8,‘ 4/$ < =*, < /‘ 7,‘ 1. *?+‘ ,N.15 ,‘ /0 / 7,-62 7.< $+0/- $+. , =‘ 5-/#,< /+ =‘ //‘ 8/--,8‘ *+‘ 7,*-‘ 5-,<*8 */+6‘ '8.-8, =‘ 7.< 7,‘ 3,,+‘ 0/$-‘ 1/+ 76 *+‘ +? .+< 47,+‘ 4,‘ 0*+< ' /-,-‘ 4-* *+?‘ /‘ &-‘ <,+2 7.‘ 7,‘ $M,05 .1/$-6 7.< 3,,+‘ +*$+,-/$6 7* 7,- /IL‘ .‘ 7,‘ 6.1,‘ *1,‘ .88$-. , =‘ 0/-, , *+?‘ 7.‘ 3,0/-,‘ 7,‘ ,+< /0 7,‘ 4*+ ,-‘ 7,‘ 4/$ < ,+ .+? ,‘ 7*16, 04* 7‘ ‘ ‘ , 20 7*6 .+ *8*5. ,< , ‘ 5-/#,< /‘ 3,‘ 7,‘ (/$+ ,66 /0 =-8/++, 2 47/6,‘ #*6* 6 4,‘ 6$36,@$,+ =‘ 0*+< &-6‘ * >7,-3,-‘ <,8 *+*+?‘ /‘ -,8,*#,2 /+‘ 7,‘ ?-/$+< /0 7,-‘ 3,*+?‘ .‘ .<=‘ /0 ‘ 8/+ .1*+. ,L‘ 87.-.8 ,-Y 7$6 #,-=‘ +,.- =‘ /88.6*/+*+?‘ .‘ 0-.8.6L‘ 3, 4,,+‘ 7,‘ -*+8,‘ /0 F. ,6 .+< 7*6 3-/ 7,- 2 '/‘ 0.-20?-,.‘ ,N8$6,‘ *6 /‘ 3,‘ 1.<,‘ 0/-‘ 7,‘ $M,‘ /+‘ 7,‘ 68/-,‘ /0 7*6 =/$ 72 .+< 7,‘ 8/+ .?*/$6 *1 1/G -. * =‘ 20d0 7,‘ .?,I‘ /36,-#*+?‘ 7.‘ ,#,+‘ 7*6 6/3,-‘ .+< 57 ,?1. *8 $+8 ,2 7,‘ $M,‘ /0 /$8,6 ,-2 +/ /-*/$6 =‘ 7.< , /3‘ 7,‘ 5,-6/+‘ /0 .‘ #,-=‘ 3,.$ *0$‘ 4/1.+‘ .<=‘ 1,-*.‘ (.-5,+ ,-2 .<=‘ /0 7,‘ ,<87.13,-‘ /‘ 7*6 $87,66 [‘ $ 2 *+‘ / 7,-‘ -,65,8 62 7,‘ 8/+<$8‘ /0 7,‘ $M,

I‘ 8:@"12)*;‘ *+,.#‘ <(%‘ "‘ ++‘ !L ‘ !L ‘
0B 8:@%*1/‘ (..,#+(1/,1:,‘ <(%‘ "‘ +‘ UL ‘
-‘ 8:@"12)*;‘ *">#.#‘ <(%‘ "‘ ++‘ ! ‘ !
‘ E(‘)*<,‘ -),‘ /"..,:-‘ *8-)(."-7 (0-),‘ 8:),##3# 81:%,‘ (.*:,‘ E*%+(%,‘ 0(.‘ -),

'0/ 4 *6 .**<*$? 7,' 6. $.-=' *+0 $,+8,' 47*87' &-6' * ,7,-3,-' 4.6' 6$55/6,< /' ,N,-8*6,' /#,-' 7,' 1*+</0' 7,' 7,*-' /' 7,' 7-/+,2 7,' -*+8,0' 0.#/$-* ,' 1.-*+,' -,6*<,+8,2 -*?7 /+2 .55,.-6' /' 7.#,' 3,,+' +/' ,66' +/ .3 ,' .6' 7,' 68,+,' /0' 7*6' *--,?$.-* *,6' 7.+' ,* 7,-' (.- /+' /$6,' /-' 7,' ($36' *+' 7,' +,*?73/$-7//< /0' ' 'A.1,60' 7,' 0/ G /4*+?2 0/-' *+6 .+8,2 *6' .' 5*8 $-,' /0' 7,' ' ,=+,2 .6' * '5-,G 6,+ ,< * 6, 0' /' ' /-,-' *+' 7,' .$ $1+' /0' 9:;;' '6,,1,< .6' *0' . ' 7,' ?.=,6' .+< 7,' 5-, *,6' 4/1,+' *+' + 2*.+<2 4' ' 0 ' /7.< 8/1,' /' 1.-M,' /+' 7,' ' ,=+,' $7/-*6,< 3=' 7,' -/=.' ,N.15,2 ,#,-=3/<=' 7/$?7' 7*16,0' .' *3,-=' /'</' .6' 7,' -*+8,' 7*16,0'<*< ' #,-=' #/ .-=' .' &-6' F,6 /+0' 8/$-' 7/$?7' 7,-6,0' .6' ?//<2 *+' 6/1,' -,65,8 62 .6' 7,' .<=' 47/' 6,,1,< /' 7/ < 7,' 0*-6' -.+M' *+' 7,' 5 .8,' ' 4.6' 8$-*/$6' /' /36,-#,2 .' 7,' 5 .=G 7/$6,2 7,' 8*1.N' /0' *1 1/-.* =2 0-/1' 7,' /4,6' /' 7,' 0*-6 2 -.+?,< -/$+< 7,'3/N,6' $' +/ 7*+?' 4.6' 6/' 6*+?$.-' 7,-,' .6' /' 6,,' /$-' 0-*,+< /-< -$<,+, ' ' *+' 6/' +,4' .' B' *+' /0' #*,4 ' ,' 0#E6E *#*+?' 4* 7' . ' 7,6,' 0.*-' +=1576' *+' 7,' ,.6*,6' 1.++,- ' /4' 0.-' 7*6' #*- $,' 4.6' *+' <.+?,-' ' 4* ' +/ ' 5-, ,+<' /' 6.=I 3$' *0' (. /' 8/$< +/ ' -$6 R' 7*16,0' . ' .*.,2 ' 67/$< 7*+M' 7*6d' /-<67*5' -$+6' 6/1,' -*6M' . ' -*?7 7, 16 /+, ' ,' *6' +/4' +/' /+?,-' 8. ,< 7*6' /+/$-2 3$' 7,'0.1**.-' .55, . */+' /0' 0 '6$36 * $,< *+' * 6' 6 ,.< L' 0' ,.- =' . ' 7*6' *1,' 4,' 0*+< 7,0' -*+8,' . ,+<*VB?' *' +."V,90"2)-' *-' ."2)-(1' *-' =)":)' /+,' /0' 7,' 8/13. .+6' 4.6' M* ,< 3=' 7,' / 7,-' /-' .' /+?' *1,' 5.6 2 *+' 0.8 2 7*6' 7.3* 62 .+< 7,' M*+< /0' 8/15.+=' 47*87' ,+B/=,< 7*6' 0.#/$-2 6,,1' /' 7.#,' -,+<,-,< 7,' 5 .8,' $+*+7.3* .3 ,' 3=' 7,' -,65,8 .3 ,' 5/-*/+' /0' 7,' 8/11$+* =' 7,' ,*-' 55.-,+ 2L' 4-* ,6' 7,' $M,' /0' /-6, 2 *+' 8 /3,-2

I' * ; ,# (./' .8/,1:%%' *0-,.=*./# 0"0-)' *.% (0' *./"2*1' ,,+,.' (0'-%",' ."<7' 8.#,'-(' ,(.2,'-),')".'/' ('=*# 6(.1'(1'-),' -)'(0' +."%' L'*1/':(1#,A8,1-%7' =*# *-'-)"# +,."(/'"1')"# #">-790(8.-)'7,*.' ,' ;*.",/'0".#-'"1' ' 11*'#"#-,.'(0' E"%%". ;'#,:(1/' *.%(0' *.-;(8-)'*1/'#,:(1/%7'"1' ' %"V*6,-)'#"#-,.'(0' ,(.2,' 0(8.-)' *.%(0' E*%/,2.*<:' (' /",/' ,6.8*.7' M

-' 8: *1/' (..,#+(1/,1:,'<(%'""'+' !L

/ . (/$- 7 . 7 ,-/=. 6$* ,4.6+,8,66.-* =-,6 -*8 ,< /. #,-= *1* ,< +$13,- 7, *+?3,*+? 7, /+ =1. ,5,-6/+ 47/ 6 ,5 *+ 7, /<?, ,#,- 7, ,667 6/ 6,8$-, <*< 7, 0,, 7*16, 0*+ 7, 1*<6 /0 7*6 6$3B,8 67 7. 3= 7*6 ,N5-,66 /-<,-6 +/ . 6/ <*,- 4.6 . /4,< /3, @$.- ,-,< 4* 7*+ ,+ 1* ,6/0 (7, ,+7.1 7, Q$,,+7L 4-* ,6 ' /-,-7 4* < <*+, 4* 7 7,- @$,--*,67 7/$?7 . 0*-6 8/1*+? *+ / 7*6 8/$+ -= ,-1.+ , *@$, , 5-,#,+ ,< 7,- 0-/1 6* *+? . 7,- .3 , 4* 7 1$87 ?-,. ,- 5,-6/+.?,6 7.+ ,* 7,- &- *?3= /- &- 4=++ 7, . ,- /0 7,6, 4/ ?,+ ,1,+ *M,6 . ?//< <*++,-7 47*87 7/4,#,-7, *6 +/ *+ 7, 4.= /0 ?, *+? 7, 47/ , *1, 7, -,1.*+6 . (7, ,+7.1 *6 &.B,6 =7 6* *+? .7 #,-= * , *1, . .3 , .+< ,. *+? #,-= 65.-*+? =7 7*+<,-6 7, 5//- @$,--=7 47/ *6 7, 5,< .6 70-/1 .M*+? 7, @$.+ * = /0 0//< +,8,6G 6.-= / .55,.6, 7*6 .55, *, L 0

$-*+? 7*6 6 .= . (7, ,+7.1 7, *+? <-.+M 7, 4. ,-6 . 6*N /C8 /8M ,#,-= 1/-+*+?7 .0 ,- 47*87 7, 5.-.<,< 7, F . M6L *M, .+= /-<*+.-= #*6* /- *+ 6,.-87 /0 5 ,.6$-, /- 7,. 7 6 4.6 7*6 5-.8 *8, /+ 7, ,--.8, . F *+<6/-7 ,6. =4. M,< 4* 7 7, Q$,,+ , .+*+? /+ 7*6 .-17 7,*- 0*+, <.$?7 ,-6.88/15.+=*+? 7,17 .+< 7, 8/$- *,-6 0/ /4G *+? 3,7*+< 0*-6 7, *+? 6,,16 /7.#, ,N5,-*,+8,< . ?//< <,. /0 *+8/+#,+*,+8, 0-/1 7, 8-/4<6 /0 5,-6/+6 47/ 0 /8M,< / 7, F . M6IL 3$ 6/ /+? .6 7, 3,7, < 7*6 6$3B,8 6 5 ,.6,<7 3= 3,*+? .3 , / <*65 .= 7,*- /=. = /- ?-. *0= 7,*- 8$-*/6* =7 7, ?//<+. $-,< 1/+.-87 1.<, +/ 8/15 .*+ / /- 4/ /- 7-, , <.=62L 7, /36,-#,< / 7, Q$,,+7 P4 , *+$6 4. M .3/$7 / 5 ,.6, 7,6, ?//< 5,/5 ,7 .+< 7,+ 4 , 1.= 4. M .3/$ / 5 ,.6, /$-6, #,6 L A

$-*+? 7, *+?C6 6 .= . (7, ,+7.1 7, 1.<, #.-*/$6 ,N8$-6*/+6 / /3B,8 6 /0 *+ ,-,6 *+ 7, +,*?73/$-7//< +

I ,(.2, "# (8.- *1/ * ; "%7 <(" +
- 8:@%*1/ (..,#+(1/,1:, <(" + L
 ,(.2, "# (8.- *1/ * ; "%7 <(" + B

7,'9 7' /0'A$ ='7,'#*6* ,< .M ,=' -/#,2 7,'6,.'/0' .-'
. 7$-62 8/+6,8-. ,<3='7,'?,+*$6'/0' /5,2 -*/-2 /*+?0'
3-/M,2 .+<' ,-7$-='+' 7,' 96'7,'4.6' 8/+<$8 ,<'
7-/$?7' 7,' .33,='87$-87' /0' ,4M,63$-=2 -*87' 4*7' -/G
1.+*8' .66/8*. */+6'/0'7,'&*<<,' ?,6' /$8,6 ,-'7,'
4.6'-,8,*#,<*+'6 . ,'3='*67/5' .*0.N' .+<'7,' ,.+'.+<'
(7.5 ,-2 .+<'7.6'7*16,0'-,8/-<,<'7*6' .<1*-. */+'/0'7,*-'
'-$ ='3,.$ *0$'L'8. 7,<-.' +'7,' K7'7,'#*6* ,<(*C//1,'
(/$-2 7,'6,.'/0' 7,' .-'/0' (/#,+ -=2 .+<'4.+<,-,<'
.1/+?' 7,'0/4,-03,<6'/0' 7,'3,.$ *0$'(/$+ ,66' &.-*.'/0'
&.6/+'6#,-6,' $' 7,',#,+'47*87',#*<,+ ='?-. *0*,<7*1'
7,'1/6'<$-*+?'7*6'6/B/$-+'.' (7, ,+7.12 4.6'.'0=*+?'
#*6*'5.*<7*1'3='7,' $M,'/0')/-M' ,5-,7,+6*3 ,'.6' 7,'
$M,06'8/+<$8'7.<-,8,+ ='7,,+E' 7,' *+?06'0/-?*#*+?'
7,.-'6*'=,.-+,<0/-' 7,'6/8*, ='/0' 7,'3,607, /#,<'/0'
.'7*6'6/+62 .+<.88/-<*+? ='4,'0*+<7*1'.00,8*/+. , ='
1.<+?'5-,5.-. */+6'0/-'7*6'8/10/-'<$-*+?'7*6',N5,8 ,<'
#*6*' +'.'-,6*<,+8,'6/'61.'7.'7,' *+?'4.6'-,<$8,<'/'
7,'*66/ ,'1.,'*+7.3* .+2 7,-,'4.62/08/$-6,2+/'.88/11/G
<.*/+0/-'7,' $M,'/0')/-M2 .+<'8/+6,@$,+ =2*+'/-<,-'/'
6,8$-,'0/-'7*16,0'.6'1$87'.6BB/66*3 ,' 7,'8/15.+='/07*6'
3, /#,<6/+'<$-*+?'7*6'3-*,0'6/B/$-+'.' (7, ,+7.12 7,'
+?2 .'.'8/+6<,-.3 ,'8/6'/0' .3/$-'.+<'1/+,=28.$6,<'.'
5/-.3 ,'4//<,+'7/$6,' /'3,'-,1/#,<0-/1'7,'0$-7,-',+<'
/0'(7, ,+7.1' /'7,'5,.6$-,0?-/$+<6' 0' .=6C *' /<?,2
/'3,'$6,<.6' 7,' ,15/-.-='.3/<,'/0' 7,' $M,'.+<'7*6'
. ,+<.+6' &*66' $-+,=2 47/'4*+,66,<'7*6'.--*#.2 <,G
68-*3,6' 7,' *+?06'B/='.6'68.-8, =' ,66',N8,66*#,'7.+'7.'
47*87'7,'7.<,N7*3* ,<47,+2 .'=,.-'5-,#*/$6=267,'7.<
6,,+' 7,' $M,'.--*#,'.'F*+<6/-2.0 ,-'7*6'/+?'.36,+8,'*+'
,-1.+= ' 7,'#/ .* ,'=/$+?' -*+8,2 7/4,#,-2 8/$<
3,'5,-6$.<0,<'/'-,1.*+'+/'/+?,-'7.+'.'6*+? ,'+*?7'.'
(7, ,+7.1' &** .-='3$6*+,662 7,'<,8.-,<2 -,@$*-,<'7*6

. ,+<.+8,‘ /+‘ 7,‘0/ /4*+?‘ <.=‘9 ‘ 7$‘*+‘ /-<,-‘ /‘ 3,‘ .3 ,‘ /‘ 65,+<‘ .‘ 6,8/+<‘ ,#,+*+?‘ 4* 7‘ 7*60 5.-,+ 6‘7,‘ 4/$ <‘ -.#, ‘7,‘ 6.*<‘ . ‘ +*?7 ‘ ‘ ‘ 4/+<,-‘L‘ /36,-#,<‘ 7,‘Q$,,+0‘ "*8,0(7.13,- .*+‘ (/ /+,‘ *?3=‘ ‘7/4‘ 7,6,‘ -*+8,6‘ 47/‘.-,‘ 7$6‘0/-8,<‘ /‘6 ,.‘ ,#,+‘ 7,*-‘ -.#, *+?‘ 0-/1‘ 7,*-‘6 ,,5‘0*+<‘ *1,‘ /‘6.=‘ 7,*-‘5-.=,-6‘L‘ +‘7,‘ +</0‘ $?$6‘7,‘ .+?‘+/ 4*76 .+<*+?‘ .- ,0‘ 3$-=‘ (.6 ,‘ 4.6‘ 7*- =0 7-,,‘ 1* ,6‘ <*6 .+‘6,‘ /$‘ /+‘ 7*6‘ 5-/1*6,<‘ #*6*‘ /‘ 7*6‘ / <‘ 0-*,+<‘ .+<‘ 0.#/$-* ,‘ *67/5‘ $-<‘ ‘ 0,4‘ <.=6‘ 5-,#*/$6 =‘ 7,‘ 7.<‘ 4-* ,+‘ /‘ 7,‘ *67/5Y ‘ 7,‘8. 7,<*C.‘J.‘ /$8,6 ,-V‘*6‘ -$ =‘3,.$ *0$‘ ‘.1‘ /‘. ,+<‘ *#*+,‘ ',-#*8,‘ 7,-,‘ /+‘ '$+<.=‘ /01/-G -/4‘*6‘ 7,‘ #*6*‘ /‘ (-//1,‘ 47*87‘ ,+.3 ,6‘ 1,‘ /‘ 0*N‘ /+‘ '. $-<.=‘ 7,‘ +</0‘ $?$6‘0/-‘ #*6* *+?‘ .- ,3$-=‘ (.6 ,‘ 47,-,‘ .+=‘.--.+?,1,+ 6‘0/-‘ 7,‘K 7‘. ‘F/-8,6 ,-‘ 1.=‘3,‘ ,N5 .*+,<‘ ‘ 7,-,‘ .-,‘ 4, ‘ .+<‘ *+6*6 ,<‘ /+‘ 6,,*+?‘ =,6 ,-<.=‘ 7,‘ -//1‘ -‘ $-<‘ $6,<‘ /‘ *+7.3* .‘ /$8,6 ,-‘ 7,‘ *67/5‘ 4.6‘ /3*?,<‘ /‘ ,N5 .*+‘ /-<‘ &.+60*, <0‘ 5-,<*8 */+‘ /+‘ 7,‘ 1* -,‘ /#,-‘ 7,‘ 87*1+,=‘ .<‘ 7,=‘. 4.=6‘ 3,,+‘ 6/‘ 5-/5,- =‘3,6 /4,<‘ 7,‘ <*?+* =‘ /0‘ 7,‘ (7$-87‘ 4/$ <‘ 7.#,‘ 5-,#,+ ,<‘ 7,‘ 1$ * $<,‘ /0‘ 6,8 .-*,6 L‘0

7,‘ *+?0‘ #*6*‘ /‘ .- ,3$-=‘ ,#*<,+ =‘ .00/-<,<‘?-,.‘ 6.*60.8 */+‘ /‘ 7,‘ ,.-+,<‘ .+<‘ ,N8, ,+‘ *67/5‘ ‘ 7,*-‘ &.B,6 *,62L‘ 7,‘ 4-* ,62‘ ‘.0 ,-‘ 6,,*+?‘ 7,‘ 7/$6,‘2 3-,.M0.6 ,<‘ *+‘ 7,‘ *3-.-=‘.+<‘2 4 *,+‘ 7,=‘7.<‘-,5/6,<‘ 7,16, #,6‘6/1,‘ *1,‘2 4. M,<‘*+ /‘ 7,‘?.-<,+‘ .+<‘ //M‘6,#,-.‘ $-+6‘ /+‘ 7,‘ ,--.8,6‘2,65,8*. =‘ 7,‘ -,,+‘ ,--.8,‘*+‘ 7,‘(7.5,‘ .-<,+‘ ,-,‘ 7,=‘67/4,<‘ 7,16, #,6‘ /‘ .+‘ *11,+6,‘ 8-/4<‘ /0‘ 5,/5 ,‘2 47/‘ 0 /8M,<‘ *+‘ 0-/+*‘ 7,‘ +,*?73/$-7//<‘2 .+<‘2 6 .+<*+?‘ /+‘ 7,‘-*6*+?‘?-/$+<6‘ *+‘ 7,‘ .-M‘2 6.4‘ .+<‘ 4,-,‘ 6,,+‘ /‘?-,.‘.<#.+ .?,‘ 7,‘<.=‘3,*+?‘ ,N -,1, =‘3-*?7

.157* 7,. -,' /0' 7,' /1.+ ' +' 7,' 6=#.+' -,8,66,6' /0'
.M ,=' -/#,' 7,'7.<' 6//</+' 7,'65/' 47,-,'7*605-,<,G
8,66/-2 0-,<' 7,' -,.2'7.<' 6*?+,<' 7*6' 1,1/-.3 ,' -,. ='
4* 7' /7-$1' 7,' .+,' A+' 7,'8.7,<-.' .' /$8,6 ,-'
7,'1*?7'7.#,'3,,+'-,1*+<,<' /0' 7,'/88.6*/+.'0. ,'/0'M*+?62'
.6'7,' *+?,-,<' +,.-' 7,',N@$*6* ,'6,5$87-.' 1/+$1,+' /0'
7,' 1$-<,-,<' <4.-<' 7,' ',8/+<' ' F/-8,6 ,-'7,'7.<
?.>,<' /+' 7,'+/' ,66'+/3 ,' ,0*'?=' /0' *+?'A/7+2'47,-,' 7,'
/-1.+'P1/+.-872'3='7*6' /4+' 4*672'6 ,,56'+,.-' 7,' 7/ ='
'.N/+' 0.7,-2' ' ' F/6.+' +' 7,' 33,=' (7$-87' /0'
,4M,63$-='7*6' ,=,' 1$6'7.#,' 4.+<,-,<' 0-/1' 7,' .6'
-,6*+?05 .8,' /0' 7,'6 .$?7 ,-,<'7,*-' /0' 7,' /$6,'/0' .+G
8.6 ,-2' /' 7.' /0' 7,'5,-B$-,<' -*+8,'47/' '6 .33,<'7*1'*+'
7,'0*, <'3=' ,4M,63$-=L' 7,'-*87' .+<' -.+@$*' <*6 -*8 6'
/#,-' 47*87' 7,'B/$-+,=,<2'7.<'0/-1,-=' -,13 ,<'3,+,. 7'
7,' -,.</0'6 ,,08 .<'1,+2'.+<'3,,+' 7,'68,+,'/0' 1.+=' .'
3//<=' 6-$?? ,'0/-' .' (-/4+' ,-,' 7,' ,<' /6,'7.<'
8/+ ,+<,<'4*7' 7,' F7* ,2'.+<' 7,-,' 7,' /$+<7,.<'4*7'
7,' (.#.*,-' #,-=47,-,' -,0,8*/+6' /+' 7,'#.+*=' /0'
7$1.+'4*67,62'.+</+' 7,'1$ .3** =' /0'7$1.+'.00.*-62'1$6'
7.#,'5-,6,+ ,<' 7,16,#,6' /' 7,' 1*+<' /0' 7,' -/=.' -.G
#, ,-' +' 5.66*+?' ,4M,63$-='7,'7.<'6M*- ,<' 7,'?/-='
0*, <'47*87'7.<'4*+,66,<' 7,' -*$157' /0' <4.-<'/0')/-M2'
7,'0*?7'/0' 7,' * 00. ,<' &.-?.-,' /0' +B/$2'.+<' 7,'
6 .$?7 ,-'/0'7,-'3, /#,<'6/+' ' F/-8,6 ,-'7,'7.<'6M*- ,<'
7,' 68,+,' /0' 7,' +/' ,66' 1,1/-.3 ,' -*$157' /0' *#,-'
(-/14, '), ' 7,-,2'*+' 7*6' #,-=' 8*=Y*+' 7,' #,-='
6-,, 6' 7-/$?7' 47*87' (-/14, 06' -/+6*<,6' 7.<' <.67,<'
.0 ,-' 7,' 0=*+?' 7,*-' /0' 7,' /$6,' /0' ' $.- Y 7,' 8/+G
6*$*/+.' *+?' /0'.' 0-,,' 5,/5 ,2' $+. ,+<,<2' ,#,+' 3=' .'
6*+? ,' 8/+6 .3 ,2'4.6' /' 3,' 6,,+' @$*, =' 1.M*+?' 7*6' 4.='
7-/$?7' #.6' 1.66,6' /0' /=.' .+<' 87,,-*+?' 5,/5 ,2' 47/'
-,65,8 0$ =' /5,+,<' .+' .#,+$,' 0/-' 7*1' .6' 7,' 5.66,<' 7,'
0.8' *6' .' -,1.-M.3 ,' /+,2' 7.' 7,' *+?06' /+=' '
7-/$?7' 7,' 8*=' /0' F/-8,6 ,-'4.6' .' 1,13,-' /0' 7,' /$6,

.6 . 5,8$ *.-* = /0 7*6 -,*?+2 7. 2 .6 . ?,+,-. 8$6 / 12
5-/3.3 = .66*?+.3 , / ,-1.+ , *@$, ,2 7, *+?2 *+ 3*6
+ ,-#, 46 4* 7 3*6 &*+*6 ,-62 +,* 7,- .6M,< 7, 1 / 6*
</4+2 +/-6. </4+ 7*16, 0

/ 4* 76 .+<*+? 7,0. *?$,6 .+<,N8* , 1 ,+ /0 7, ,#,,2
7, *+?2 /+ 7,0/ /4*+? <.=2 4.6 4, ,+/$?7 /-, 1/#,
4* 7 7*6 0.1* = 0-/1 , 4 /RF*+<6/- ' * 7, 4.6 ,#*G
<,+ = #,-= 6,-*/$6 = * 3/ 7 *+ 1*+< .+< 3/<= &*66
8- L $-+,=2 47/ 4.6 .88*<,+ . = 7-/4+ *+ / 7*6 8/15.+=2
C <,68-*3,6 7*1 .6 7.#*+? . 7, .55,.-.+8, /0 3,*+? *+ .
7*?7 0,#,- *6 1.++,-2 *+<,,<2 4.6 ?-.8*/$6 . 1/6 /
M*+<+,66l 3$2 /+ 7, / 7,- 7.+<2 7, 7/.-6,+,66 /0 7*6
#/*8,2 7,#/ $3* * = /0 7*6 .+?$.?,2 .+< 7,#,7,1,+8, /0
7*6 ?,6 $-,62 6 .- ,<7,- 3,=/+< 1,.6$-, 7, +,N <.=S
47,+ /+ 7,- 4.= 0-/1 7, Q$,,+06 .5.- 1,+ 2 67, .?.*+
,+8/$+ ,-,< 7*12 47,+2 <$-*+? . 8/+#,-6. */+ .3/$ 7*6
7,. 7 47*87 .6 ,< +,.- = 7. 0 .+ 7/$-2 7, .?* . */+ /0
7*6 1.++,- .+< 7, -.5*<* = /0 7*6 $,-.+8, 4,-, +/ ,66
5.*+0$2 . 7/$?7 *+ / 7,- -,65,8 6 7, 4.6 M*+< .+< ?,+ ,
/ .<,?-,, 7. 1.<, * .00,8 *+? / *6 ,+ /7*1 .'7,
4.62 . 7*6 8.-, 6,,1,< /7.#, 3,,+ /8/+8,. 7*6 6$00,-G
+?6 0-/12 .+< / . = 7, .+N, = /02 / 7,-6 0 /66*3 =2
7.<7, 8/$- ,< 7, 5,-0,8 -,5/6, 47*87 4.6 5-,68-*3,<3=
7*6 57=6*8*.+62 7, 5-/?-,66 /0 7*6 <*6/-<,- 1*?7 7.#, 3,,+
.--,6 ,<2 3$ $+0/- $+. , = 7,= 0/$+< 7*1 . -,0-.8 /-=
5. *,+ /- *+6 .+8,2 /+ F ,<+,6<.=2 7, 7 /0 8/3,-2
4, 0*+< 7*1 +/ 0,4,- 7.+ 0*#, 7/$-6 /+ 7/-6,3.8Ml /+ 7,
96 /0 /#,13,- 7, 4,+ /$ 7$+ *+?2 .+< /+ 7, -< 7,
4.6 .?.*+ 0*#, 7/$-6 /+ 7/-6,3.8M A / &- * 2 *+<,,<2
7, 4-* ,6 /+ 7, -< 7. 7, ,. 6 4, 2 6 ,,56 4, 2 .+< *6
+/ *+ 7, ,.6 +/4 0. *?$,< 4* 7 -*<*+?2 7/$?7 7, 8.+G
+/ =, 6 .+< /+?2 .+< *6 0. *?$,< *0 7, 4. M6 IL [=, 2

K */*;, 3 .6%*73# "*.7 *1/ ,--,.#<(%"<+ ! 0
 /;, 3 .6%*73# "*.7 *1/ ,--,.#<(%"<+ L ((.,3# "0,(0),."/*1
<(%"" ++ L
Z *.% -*1)(+,3# "0,(0 "--<(%"" ++ <" ++,1/">

0.#/$-.3 ,' .6' *6' **6' .88/$+' /0'3*16, 02'3,' 4.62'*+'0.8 2'*+'
2.' 1/6'. .-1*+?'6 . ,' /-'*+6 .+8,2'47* ,'8/+#,-6*+?'4* 7'
3,' $M,' /0') /-M' .0 ,-'3*6'-, $-+'0-/1' /+,' /0'3*6'-*<,62'3,'
3, -.=,<'3/4'8/15 , , ='3*6'+,-#,6'4,-,'$+3-.8,<'3='3$-6 G
+?'+ /' ,.-62' ' ,'4*67,<' /' /<2L'3,' ,N8 .*1,<2' '3,'
1*?7'<*,2'0/-'3,' 4.6' ?/*+?' /'3,' 1.<L' '*6'#/*8,'3='
7*6' *1,' 7.<' ?-/4+' 5.*+0$ ='7/.-6,2'*+' 8/+6,@$,+8,' /0'
+8,66.+' . M+?2'47* ,'6/'4,.M'3.<'3,'3,8/1,'*+'3*6' *136'
.6' /'-,@$$C,'6$55/-'47,+'3,'4. M,<' '&='<,.-' 00=2L'3,'
6.*<' /'.+' /<0.#/$-* ,' .<=' 00*+?7.12' '=/$'6,,' 1,' .'
.'/+8,'.+' /<1.+L'0' F7,+'&*66' $-+,='.?.*+'8/+#,-6,<'
4*7' 7*12' /+' 3,' +<2'3,' /<7,-'3,'4.+ ,<' 1/-,' -,62'
=,2' . 1/6'*+' 7,'6.1,'3-,. 72'3Ù .<<,<'7.'3,'3.<6 ,5'
3,'5-,#*5$6'+*?7' M,'.'87*<' '3,'6.1,' *1,2'+/ 7*+?'
8/$<' ,N8,,<' 3*6' M*+<+,66' .+<' ?,+ ,+,66' *6' 87*,0'
.+N*, =' 6,,1,<' /'8,+-,' *+' /+,' .1*.3 ,' /3B,82' 7.' /0'
65.-*+?'7,'0,, *+?6' /0' 7,'Q$,,+'3='8/+8,. *+?'0-/1'7,-2'
.6' 1$87' .6'5/66*3 ,2' 7,' ,N ,+'.+<+. $-,' /0'7*6'6$00,-*+?6'
' 7,' Q$,,+' *6' 1='57=6*8*.+2L'7,' 6.*<2' . $<*+?' /'7,-'
?*#*+?'7*1'7*6' 1,<*8*+,2' '.+<+/'1.+'+,,<'7.#,'.'3, ,-''
67,' *6' 1='4 /'.+<+/'1.+' '7.#,'.'3, ,-L' / G
4*76 .+<*+?'3*6' 3/<*=' <,3*3=2'3,' 6*' *+6*6 ,<' $5/+'
,68/-*+?'7,-'.' +*?7' /'7,'</!-'/0'7,-'<-,66*+?0-//1'
F*7' -,?.-<' /'7,'Q$,,+'7,-6, 02'7,-'.00*8*/+'4.6'+/'
7,' ,66'5/*?+.+' 7.'67,'4.6'0/-8,<' /'1.M,' ,#,-=',00/-'
/'8/+8,.' *'0-/1'7,-'7$63.+<'.+<'7,-'. ,+<.+6' &*66'
$-+,='1/-,' 7.+'/+8,'1,+*/+6'7.#*+?'6$-5-*6,<'7,-'*+'
,.-6' +'7,' -<'67,'4-*,6Y 7,'Q$,,+'*6' .1/6'
/#,-5/4,-,<' 4*7' 6/*+,' 6,8-,' ,--/-' '.1' .00,8,<'
3,=/+<.' ,N5-,66*/+'*+'7,-'5-,6,+8,2'/'6,,'47.'6-$?? ,6'
67,' 1.M,6' /'6$55/-'6,-,+*=' /0<.='67,' ?.#,' $5' 7,

((.,3# "0,'(0' %",."/*1?'<(%'""'+' ' !./' /"-"(1'
-' %"V*6,-)' /*82)-,.' (0' (-(.' ,:@0(./' #A'*1/' ="/(=' (0')(;*# (=*./'
#,:(1/' *.%(0' 00"12)*;' */7' 00"12)*;'=)('=*#*' */7'(0'-),' ,/:)*;6,.'-('
H8,,1')*.%(--,'/",/'(1'-),' -)'(0' :-(6,.'

8/+0*8 47,+ 4.6 . /+, 4* 7 7,-2 .+< 3$-6 *+ / . #*/ ,+ 0* /0 ,.-6 4.6#,-=Y#,-= ,--*3 , /6,, L +7, 0/ /4*+? <.= 7, *+?6,,16 /7.#, 3,,+ +/ #W4/-6,2 .+< /+ 7, 1/-+*+? /0 7, +,N <.= 4.6 .3 , / .M, . <-*#, 4* 7 7, -*+8,66 /=. // M,< 0-/1 1= 4*+</42L 4-* ,6 &*66 $-+,=2 / 6,, 7*1 , 4.6 . 61* *+? 3,+*?+* =2 3$?.#, 6/ 1.+= /-<,-6 7, 5/6**/+62 .+< ?/ *+ .+< /$ /0 7, 8.--*.?, 4*8, 4* 7 6$87 .?* . */+2 7. .?.*+ 1=0,.-/0 .?-, . 0,#,-7.+?*+? /#,-7*1 ?-,4 1/-, .+< 1/-, 5/4,-0$ L 7, .88/$+ /0 7, .*-*+? L 47*87 7, -*+8,66 /=. ?.#, 7, Q$,, 4.6 . 87,,-*+? /+,2 =, . 7*6#,-= *1, 7, *+?06 0,#,- 4.6 -.5*< = .55-/.87*+? *6 7,*?7 0 + 7, 8/$-6, /0 7, ,#,+*+? * 3,?.+ /3,#.?$, = 47*65,-,< .1/+? 7, ,+.+6 /0 7, 5. .8, 7. 6/1, 0,.-0$ 8. .6-/57, 7.< /88$--,< *+ 7, *+?06 .5.- 1,+6 /-6/1, *1,2 7/4G ,#,-2 +/ 7*+? 1/-, 4.6 M+/4+ 7.+ 7. 6 &.B,6 = 4.6 *+ 6/1, 6 -.+?, 4.= 4/-6,2L .+< 7. 7, Q$,,+ .6/ 7.< 6$<<,+ = 3,,+ .M,+ * #,+ 7, -*+8,66,62 .1*<6 7,*- ,.-62 1.*+ .*+,< 7, 5-/0/$+<,6 6,8-,8= &*66 $-+,= 7.6 ?-.57*8. = <,68-*3,< 7, .40$ 6* +,66 .+< ?//1 47*87 5,-#.<,< 7, 5. .8, /-7/$-6 .0 ,-<.-M 67, -,5-,6,+6 7,-6, 0 .6 6,. ,< *+ 7,-6/ * .-= .5.- 1,+2 *+ 6* ,+8,2 *+ *?+/-.+8,2 .+< <-,.< 4, #, /08 /8M 6-$8M2 .+< 67, /5,+,< 7,-< //- /* 6 ,+2 3$ +/ ,#,+ 7, <*6 .+ +/*6, /0 .6,-#.+ 8-/66*+? /5, /0 7, 5.66.?,62 /-.68,+<*+? /+, /0 7, 6 .*-8.6,62 1, 7,-E,.- / .6/$+<2L 67, 4-* ,62 8/$ < 7,.- &= .5.- 1,+ 6,,1,< 47/ = 6,5.-. ,< 0-/1 *0, .+< 1/*/+L , ,+? 7 .5.?, 8.1, /6$11/+ 7,- / 7, Q$,,+ 7, *+?2 * 6,,162 47* , 6,. ,< . <*++,-2 . 47*87 4,-, 5-,6,+ 7, -*+8, /0 F. ,62 7, $M, /0)/-M2 .+< 7, , <,- -*+8,66,62 7.< 3,,+ 6$<<,+ = 6,*>,< 4* 7 <, *-*$1 7, Q$,,+ 7.< 3,,+

+ =' //' .$<*3 =' *66$*+?' 0-/ 1' 7,' .<B/*+*+?' .5.- 1,+ '
4,-,' /#,-3,.-< 7,' 3/.-6,' #/*8,' .+<' *+8,66.+' /@$.8* =' /0' 3,' .00 *8 ,< 1/+.-87' '/'$,- =' <,6/ . ,' .+<' 1*6,-.3 ,'
4.6' 7,' 68,+,' 47*87' &*66' $-+,=' 4* +,66,<' 7.' 67,' 3$-6'
+ /' .' 0' /0' ,.-6' 47*87' 7.55* =' 5-/#,<' *+0,8 */$6f 7,'
Q$,,+' ?*#*+?' 4.=' /' '.' 5,-0,8' .?/+=' /0' 4,,5*+? L' ' '
7.+M' =/$' &*66' $-+,=2L' 67,' 6.*<f '=/$' 7.#,' 1.<,' 1,'
8-=' '*6' .' ?-,.' -, *,0' /' 1,' 7.<' +/' 3,,+' .3 ,' /' 8-='
3,0/-,'. ' 7*6' +*?7' /+? L' &*66' $-+,=' 7,+' ,.-+,<' 7.'
7,' +*?7' 7.<' 3,,+' .' 1/6'<*6 -,66*+?' /+,' 7,' *+?'. ' .'
. ,' 7/$-' 7.<' .M,+' *' *+ /' 7*6' 7,.<' 7.' 7,' Q$,,+' 7.<'
3,,+' -,1/#,<' 0-/1' 7,' 5. .8,f .+<' *+' /-<,-' /' 6. *60=' 7*1G
6,0'/+' 7,' 6$3B,8' 7.<' *+6*6 ,<' /+' ,+ ,-*+?' 7,-' .5.- 1,+ '
47,-,' 7,' 0/$+<' 7,-' *+' 3,<' 4* 7' &*66' / <64/- 7=' ' 7,'
Q$,,+2L' 4-* ,6' /-<' '7,00*, <' /+' 7,' +<' ' 7.6' 7/' 6,,+'
7,' *+?' 6*+8,' 7,' 0*-6' <.=6' /0' 7*6' <*6/-<,-' ,N8,5' /+8,'
47*87' 5-/<$8,<' .+' .00,8 *+?' 68,+,' ,' 8/+ -*#,<' /' 6 ,.'
/$' /0' 7*6' -//1' *+' 6,.-87' /0' 7,-' 6$55/6*+?' 67,' .+<' 7*6'
87* <-,+' 4,-,' 6 / ,+' 0-/1' 7*1' '7,' .=' *+' .' +,.-' -//1'
,' ?/' /' 7,-' 3,<6*<,' <-,4' 7,' 8$- .*+' .+<' ,N8 .*1,<'
P' '7,' *6' 7,-,T6,,1*+? =' 6. *60*,<' ' 4.6' 7. 0' .+' 7/$-'
3,0/-,' 7,' 8/$<' 3,' 5-,#.* ,<' $5/+' /' 4* 7<-.4' <$-*+?'
47*87' *+ ,-#.' 7,' Q$,,+' 6$00,-,<' *+<,68-*3.3 ,' ,--/-L' '
+' 7,' 8/$-6,' /0' 7,' <.=' 7,' /-<' (7.+8, /-' .' 7,'
,N5-,66' 6$1 1/+6' /0' 7,' -*+8,' /0' F. ,6' 5-/8,,<,<' /'
F*+<6/-' (.6 ,' 47,-,' 7,' -,8,*#,<' 0-/1' 7,' 7-,,' 57=G
6*8*.+6' 47/' 4,-,' *+' . ,+<.+8,' Y' /8 /-6' F.--,+'
,3,-<,+' .+<' '*-' ,/-?,' 0 .M,-Y.' 1/6' <*6 -,66*+?'
.+<' . .-1*+?' .88/$+' /0' 7,' *+?G' 8/+<**/+' 7,='
4,-,' +/' /+ =' /0' /5*+*/+' 7,=' 6.*<' 7.' *6' &.B,6 =G'
*0,' 4.6' *+' *1 1*+,+' <.+?,-' 3$' 7.' *+' 7,' ,#,+' /0'
7*6' -,8/#,-=' 7,' /66' /0' -,.6/+' 4.6' ?-,. =' /' 3,' .55-,G
7,+<,<' 7,' . ,-+. *#,2L' 4-* ,6' F* *.1' -,+#* ,' '*6

/+,' /' 4&8*' /+,' 8.++/' //M' 4* M/+' */--/-Y M.' /0' .' 8/+ *+$.+8,' /0' M,' 5-,6,+' <,-.+?,1,+' /0' M*6' 0.8$ *,62' 4* M/$.+=' / M,-' ,00,8' $5/+' M*6' M,. M L' +/ M,-2' .+<' +/' $+*15/- .+2' 5,-6/+' 4M/' .--*#,<' .' M,' (.6 ,' *+' M,' 8/$-6,' /0' M,' <.=2' 4.6' M,' /+8,' 4, 0M+/4+' (/15-/ ,-' /0' M,' -*+8,06 /$6,M/ <2' (.5 .*+' .=+,20' 00/1' 4M/6,' 5,+' 4,' ?. M,-' 6/1,' 0$,-' 5.-*8$.-6' .6' /' M,' *+?06 $+7.55=' 6 . ,' ' M,' $M,' /0')/-M2' 4M/' *6' +/4' //M*+?' /#,-' 1,2L' M,' 4-* ,6' /' '7,-*<.+2' '.+<' 4M/' *6' B$6' 8/1,' 0-/1' M,' *+?06 -//12' M*<6' 1,' .<<' 7.' *6' &.B,6 =06' 6* $. */+' *6' ,#,-=' 1/1,+' 3,8/1*+?' 4/-6,' *6' 5$ 6,' *6' 4,.M,-' .+<' 4,.M,-2' .+<' M,' /8 /-6' 6.=' *' *6' *15/66*3 ,' /' 6$-#*#,' *' /+?2' *0' M*6' 6* $. */+' </,6' +/' .M,' 6/1,' ;' 87.+?,' *+' .' 0,4' 7/$-6 LY' '*+8,' 7*6' , ,-' 4.6' 3,?$+2' .' .- *8$. */+' ,#,+' 6,,16' /' 3,' .' .+' ,+<' 4* 7' 7,' 5//-' *+?I 3$ 2' 0/-' 7,' 4/' 7/$-6' 5-,8,<*+?2' M,' 4.6' *+' .' 1/6' <, ,-1*+,<0-,+>= L'A' . ,' /+' /+,' /0' 7/6,' +*?7 62' 47,+' M,' *67/5' /0' *+8/ +' 8. ,<' $5/+' * 2' M,' 0/$+<' M$+' *+' 1/1,+ .-=' ,N5,8 . */+' /0' M,' .--*#.' /0' .' 1,66,+?,-' 0-/1' F*+<6/-' 4* 7' 7,' *<*+?6' /0' M,' *+?06 <,. 7 [' .1' 7*6' *+6 .+' -, $-+,<' 0-/1' F*+<6/-2L' 4-* ,6' &-' ,#* ,' /' /-<' $8M*+?7.12' PE.+<' 0*+<' 0-/1' M,' 3,6' .$ 7/-* =' 7.' M,' *+?06 *0,' *6' $+0/- $+. , =' <,65.*-,<' /0' F.--,+2' ,3,-<,+2' .M,-2' .+<' ,=+/ <62' .-,' . ,+<*+?' ' 3, *,#, M,' 0,#,-' 7.6' 6, ,<' /+' M,' 3-.*+2' .6' 7,-,' *6' 1$8M' <, *-*$1' M,' (7.+8, /-' 4.6' .' F*+<6/-2' .+<' .' M,' -*+8,6' +0' M,' //<' .-,' 6* *+?' $5' *+' M,' +,N' -//1' /' 7*1' M,' Q$,,+' 7.6' 7.<' 0* 62' 3$' *6' 3, ,-' /0<.=L'B

M,' +*?7' /0' M,' KM' 4.6' ,#,+' 1/-,' '.00,8 *+?=

I' 8:@"12%"* ;' *+,.#'<(%'"'+'U!!
-' *+-*"8' ()1' E"%%,--' *71,' ' (;+-.(R,.'(0'-),' (8#,)(%/'-('-),' ."1:,'(0'
E*%,#'/",/'*' ,*.9 /;".*% (0'-),' ,/'(1'-),' -)'(0' (<,;6,.' !'*-'-),'*2,'(0'
0"0-79(1,' ,' #*-' "1' *.%"*;,1-' *# ;,;6,.' 0(.' -),' 6(.(82)' (0' 81-"12/(1' 0.(;'
*7' '-(' ' "' ((.,3#' "0,'(0'),."/*1'<("'""'++' ' !' !./I /"-"(1
Z' (;%"1(3# "0,'(0' "--'<(%'""'+'! !' !./' /"-"(1
' 8:@"12)*;' *+,.#'<(%'"'+'U!

<-,.<0$ L 7.+ 7,5-,8,<*+? /+, 7, -*+8, /0 F. ,6 7, $M, /0) /-M .+< 7,57=6*8*.+6 .+< ,@$,--*,6 4,-@ -,5/6*+?6/1,/+6/0.6 .+< / 7,-6 6,. ,< /+ 87.*-6 *+ .+ .5.- 1,+ 8/6, / 7, *+?06 47,+ / 7,*- . .-1 .+<0 .6 /+*671,+ 7,6$<<,+ =.55,.-,< .1/+?6 7,1 *6 .1.>,1,+ .0*+<*+? 7*16, 0 *+ 7,1*<6 /0 6/ $+$6$. .+ .66,13.?,4.6 .6 ?-,. .6 7,*-6 .+< .88/-<*+? =7, ,.?,-=*+@$*-,< /0 7,1 47. 7,=4,-, </*+? 7,-, 7, -*+8,6 /0 7, //<6 /4*+? / 7,6 .-6 47*87 7,=4/-, /+ 7,*-3-,.6 6 /$?7 / 7.#, 3,,+ 8/+65*8$/$6 .3/#, 7, /7,-6 3$ *+ 8/+6,@$,+8, /0 7, .5.- 1,+ 3,*+? #,-= <*1 = *?7 ,<6 7, *+? 0.* ,< / -,8/?+*6, 7,1 -/1 6/1, /$87*+? 4/-<6 7/4,#,-6 47*87 ,68.5,< 7*16 * 4.6 1.+*0,6 7. /+, /0 7,1 . ,.6 4.6 $55,-G 1/6 *+ 7*6 7,.- -,<,-*8M6 7,6.*<6 4.6 7*6 0.#/$-* ,Y 7*6 0-*,+<),62L 7,6.*<6 -,<,-*8M 6 1= 0-*,+< L +7, 1,.+ *1,6 +/ /+,5-,6,+ <.-,< .55-/.87 /-,1/+G 6-., 4* 7 7, 6*8M 1/+.-87 #,+ '*- 0,/-?, .M,-6 7/$?7 * 4.6 7*6 <$ =6 .6 7/6, 47/ 4,-, +0,.- 7*1 47*65,-,< 7*16 / ,.< 3.8M 7, *+? / 7*6 3,<87.13,-6 <,8 *+,< 1.M*+? 7, . ,15 6 * 5-/#,<6 7/4,#,-6 7, ?.*+,< 3$ * * , 3= 7*6 *1*<* = P 7, *+?6 7.#*+? -,8/?+*6,< 7*16 6$<<,+ =.*< 7/ < /0 7*1 .+< 0.6 ,+,< 7*1 .?.*+6 7, 4. 6 , *+? 7*1 7. 7, 7.< 1*6 .M,+ 7*6 8/15 .*+ 6 47*87 4.6 /+ =+,-#/$6+,666 .+< 7. 7, 4.6 +/ 7*+? 1/-, +/- ,66 7.+ .+ / < 4/1.+ (/ /+, *?3=6 7, Q$,,+06 (7.13,- .*+6 +/4 8/+6*<,-,< * 7*6 <$ = / *+ ,-0,-,6 .+< .88/-<*+? =6 , *+? 7, *+? *+ .+ /+, /0 -,65,8 0$.$ 7/-* = 7. 7, 1$6 ?/ / 3,<6 7, //M 7*1 C 3= 7, .-1 .+< ,+<,.#/$-,< / ,.< 7*1 /4.-<6 7*6 .5.- 1,+ * * 4* +/ ?/2L 8-*,< 7, *+?I 47/ .-,

I) ((1 -,+),1 "2674 0%"(:)*.;"126 *1/ *::(;+%"#),/ C . *".%7D (0 */*;, 3 .6%*73# M "*.",#34 =*# #(1 (0 E"R"*;'0"0-)' *.(1' "267' 1")(' 1/' (0 81,' U'),'=*#+.(;(-,/'-(6(' *':(%(1,%"1'-),'*.;7'*1/''1' '=*#*++("1-,/' 67 H8,,1)*.%(--,' *#-,.'(0 -' *-),."1,3# (#+"-*%'-%"('(1%7'+.,0,.;,1-'='6,%",<,' "1'-%","2"0-'(0'-),' H8,,1' (1#(.-'(.' H8,,1' (=*2,.'(0 12%*1/

F B L X

D=/$SC . 1 (/ /+, *?3=2 '*-2L 3, .+64 ,-,< =/$-
&.B,6 = 3.6 3, ,+ #,-= ?//< / 1, /0 ,+2 .+< +/4 . 1
?/*+? / 3, #,-= ?//< / = /$f 0/- =/$ 1$6 8/1, / 3,<
*6 +,8,66.-= / =/$- *0, L ' / ,+ *-, = 4.6 7, *+?0
.M,+ 3= 6$-5-*6,2 7. 2 .6 3, -*+8, /0 F. ,6 / < 3,
Q$, ,+ 3, +,N <.=2 3, . /4,< 3*16, 0 / 3, ,< / 3*6
3,<83. 13,- .6 5.66*#, = .6 *0 3, 3.< 3, ,+ . 87* <
0 3, 0*-6 6 .?,6 /0 3, *+?06 * +,662 6/1, 0$- 7,-
*+ ,-,6 *+? 5.- *8$.-6 4,-, .0 ,-4 .-<6 -, . ,< 3= 3,
-*+8, /0 F. ,6 / (/ /+, F* *6 . (.- /+ /$6,
6 &.B,6 =06 0-6 . .8M2L 6.*< 3, -*+8,2 3, 8/1BX .*+,<
/0 . 7, .#*+,66 *+ 3*6 3, .<2 43*83 4.6 -, *,#,< 3= 3 , ,<*+?
+ 7*6 63/-03#,< *+ ,-#. 3, /8M,< $5 . 3*6 5.5,-62
B,4, 62 U82 ,N8,5 3*6 4. 83 . +< 3, Q$, ,+6 5*8 $-,2
43*83 3, M,5 3= 3*6 3,<06*<, , / < -+6 3. *
4.6 5-/3.3 , 3. 3, 67/$ < +,#,- .?.*+ -*6, 0-/1 3*6 3,<2
.+< <,6*-,< 3. & - ,6 67/$ < 3, 6, + 0/- / 1.M, .+,4
4* = .0/-1,- 4* 2 6.*< 3, -*+8,2 3, 7.< ,0 3*6
5,-6/+. 5-/5,- = / 7*12 .6 3, 3.< / <7*1 *+ 3, 5-,6,+8,
/0 3, Q$, ,+ .+< 1/6 /0 3*6 3-/ 7,-6 .+< 6*6 ,-6f 3$ *
4.6 3, *,#,< 3. 7*6 +,4 /+, 4.6 / 3, 47/ = *+ 0.#/$-
/0 3, Q$, ,+ &- ,62 7/4,#,-2 <*< +/ .--*#, * * *6
&.B,6 =06 *+ , ,8 6 4,-, / . = <,-.+?,< +, /0 3,
*+?06 .1$6,1,+ 62 *+ 7*6 6.< 6 . ,2 4.6 //M*+? /#,- .
(/$- (. ,+<.-2 .+< 1.-M*+? 5,-6/+6 +.1,6 47/1 3,
1,. + / <*61*66 0-/1 7,*- /00*8,6 + 3*6 <,1.+<*+? .
+,4 (. ,+<.- 0/- 3, =, .-2 -+6 3.< 3, .<<-,66 / /3 .*+
3, / < /+, 0-/1 7*12 .+< 7-,4 * *+ / 3, 0*-, L A

I * /* ; , 3 .6%*73# "*.7 *1/ ,--,.# <(% "< ++ !
-), *123# , . ; *1 *2, (0-), *:@ -*".#? #, , +(#- ++ L
- E "%%"# ."2"1*%

(% "

>:"-, ; ,1-"1 (1/(1(::*#"(1,/'67-), "123#"%%1,##4 "('%""123#2.,*-'+(+8%*."-7 4 (7(0-),' ++(#"-"(1'4 .(:,,/"12#(0-),' ."1:,'(0E*%,#4'C *:@ *71,'D *1/'-),' 8:),##(0 (./(1'4 .8,%-.,*-;,1-'(0-),'H8,,1'4 *..8%"-7*'0,*-8.,' (0-),' "12B#/"#(./,.'4 %8:-8*-"(1# "1")"# ;*%*/74 "#-.,##"12',(1/"-"(1'(0 -),'H8,,1'4 "#"1-,.,#-,/':(1/8:-'(0 .' "--'4 8//,1'.,-8.1'(0B .' (>'0.(;' -*%74 11(7*1:,# *=*"-"12")";'4),."/*13# #8+.,;*:7B=-%.'-),' ."1:,4' ,2(-"*-"(1# ="-)')8.%(=' 4'E,//,.68;3# /"#*++("1-;,104)8.%(=' 6,-.*7# "--3# ,2,1:79+%*1'-('-),' ."1:,'4' "#"1-,.<",=#="-)'-),' ."1:,'*1/'-),':)",0# (0P-),' ++(#"-"(1'4 ,-*"%# (0-),'C %*1'(0 ,2,1:7D 4'),'H8,,13#0,*.#4' E,//,.68;3#81:(1#-"-8-"(1*%*/<":,'-('-),' ."1:,

' 7,' 1,.+' *1,2 7,' *1 1*+,+' <.+?,-' K' 047*87' 7,' *+?06' *0,' 4.6' ,N5/6,<2.6' 4, ' .6' 7,'<-,.<0$' .+<' 1=6G ,-*/$6'+. $-,' /0'7*6' 1. .<=2'7.<'?-.<$. ='3,8/1,'M+/4+' /' 7,'5$3*8' -*,0'.+<'8/+6,-+. */+'5-,#.* ,<'*+' . 1/6' . ' @$.- ,-6' F7,+' '*-' . 7.+*,' F-.N. ' -, $-+,<' /' /+</+' . ' 7*6' *1,2 7,' 0/$+<' 7,'8.5* . '.068,+,' /0'6$87' ,N8* ,1,+'.6'7,'7.<'+,#,-'5-,#*/$6 ='4* +,66,<2.+<'47*8722 * ' 7,' .--*#. 2 0/$-' =,.-6' .0 ,-4.-<62' /0' 7,' +,46' /0' 7,' <,8.5* . */+' /0' /$*6' 7,' '*N ,,+ 72 * ' 4.6'+/' 7*6' 0/- $+,' 6,,' 6$-5.66,< ' /' /-<' $M, ,=' /-<' $8M*+?7.1' 4-* ,6' /+' 7,' 99 7' /0' /#,13,-2 7. ' 7,' ' /8M6' 7.#,' . -,.<B' 0. ,+' 4/' 5,-' 8,+ I' .<<*+?2 7. ' 7,' . .-16' /0' 7,'BNE/5,' /0' /+</+' .-,'#,-=' * ,' 0 . ,-*+?' /' 7,' -*+8,0' \ )/$' 1.=' ,.6* = 3, *,#,2L' 4-* ,6' /-<' '=<+,=' /+' 7,' 9 7B' ' 7.' 7,' 7$--=' .+<' 0,-1,+' .-,' ?-,.' .' 5-,6,+' ,/5,'*+'?,+,-.2 /0'. '-.+M62 6,,1' /' 7,' -$ =' 6,+6*3,' /0' +,' 8. .1* /$6' ,00,8 6' /' 3,'<-,.<,<'0-/1' .+' $+0.#/$-.3 =2 ,-1*+. */+' /0' *6' &.B,6 =06'<*6/-<,-L'A' 7, 0.8' *6' .' -,E+.-M.7,' /+,2 .6' .00/-<*+?' ,#*<,+8,' /0' 7,

['(#-)8;(8# ',;("."#'<(%'"""'+' '-' 8:@"12)*;' *+,.#'<(%'"'+'UUL -' 6"/'+'UU

+?06 $+*#,-6.' 5/5$.- =2 7.' 7*6-,6 /-. */+' /'7,. 7 4.6 5-.=,< 0/-' *+' 7,' 1,, *+?07/$6,6 /0 7,' *66,+ ,-6 .+< *+' 7,' 6=+.?/?$,6 /0 7,' A,462 3,0/-,' 7,' -*#=' (/$+8*' 7.< .55-/#,< /0 7,'0/-1' /05-.=,-' 47*87 4.6 /' 3,' /00,-,< $5'0/-' 7*1' *+' 7,' 87$-87,6 .+< 87.5,6 /0 7,' (7$-87 /0 +? .+< ' '/' $+*#,-6. =2 //2 0/4,< 5$3*8 6=15. 7=' *+' 0.#/$-' /0 7,' .00*8,< 1/+.-872 7.' 7,' *+?06 57=6*8*.+6 3,?.+' /' -,8,*#,' .+/+=1/$6 , ,-62 7-,. ,+*+?' 7,1' 4*7 8/+<*?+' 5$+*671,+' *+' 7,' ,#,+' /07*6* +,66 5-/#*+?'0. . ' '*-' ,/-?,' .M,-'4.6 6/55,< *+' 7*6 8.--*.?,' 3=' 7,' 5/5$ .8,' .+< 1,+.8,< 4*7 5,-G 6/+.' #*/ ,+8,' ' '/' 7*?72 *+<,,<2 -.+' 7,' *<,' /0 /=. =' .+< .00,8*/+2 7.' '*-' $8.6 ,5=62 47/'3=' 7*6 *1,'7.< 3,,+' .<<,< /' 7,' +$13,-' /0 -/=.' 57=6*8*.+62 / < &*66 $-+,=' 7.2*+' 7,' ,#,+' /0 7,' *+?' <=*+?2 7,'3,7,#,< 7.' +/+,' /0 7,*-' *#,6 4/$ <3,'6.0,0

' -//M606 ($3 . /+,2 4 ** ,' , 6,47,-,' . '4.6 5* =' .+<8/+6 ,-+. */+2 $+<*6?$*6,< 6. *60.8*/+'5-,#.* ,<' 7,' 55/6**/+2 47/6,' 5-/65,8 6 7.< -,8,+ =' .55,.-,< 6/' 7/5,,662 4,-,' +/40 6.+?$*+,' 7.' 7,*-' 7/$-' /0 -*$157 F.6 .'7.+<' F7,7,-' 7,' ,N8, ,+' *+?' <*,<2 /-'47,0 D7,-'7,' 6.+M *+ /'.'8/+0*-+*,< $+.*82 4.6 .55.-,g =' /0 * ,'*+ ,-,6' /' 7,'0.67*/+.3,'68*/+6 /0 7,' '?-,.' F7*?' 0.1**,62L' 6/' /+?' .6 7,' -*+8,2 47,7,-' .6 ,?,+' /-' *+?2 67/$ <3,'*+#,6,<4*7 7,' <*65,+6.*/+' /0 -,?.' 5/4,-62 .+< /0 -,?.' 5. -/+.?,' ') /$ 1.=' +. $-. =2L' 4-*,6 F** .1' -,+#* ,2 '8/+8,*#,' 7,' ,N$.*/+2 +/' 4,.-*+?' ,#,+' 7,' .55,.-.+8,' /0 <*6?$*6,2 47*87 7,-,'*6*+' /+,'5.-=2 .+< 7,'<,5-,66*/+' /0 7/6,'47/'3, /+?' /' 7,' /7,-L'A' +< .?.*+' 7,'4-* ,6Y ' +' 7,'1*<0,'/0. ' 7*6 8/+0$6*/+2 .+< 47* ,'7*6 6/+6 .+< 3-/7,-6 .-`6 -$?? *+?' /'?.*+' ,+ *-,' 5/66,66*/+' /0 7*6 .$ 7/-* =2 7,' *+?' 1.=' -,8/#,-' 7*6 -,.6/+1 F7.' .' 68,+,'4*' 5-,6,+' *6,0 /

I' 8:@"12)*;' *+,.#'<(%'"'+'UU 'UU
-' */*;,' 3 .6%*73# "*.7*1/' ,--,.#'<(%'"<'+'!! '!!
-' 8:@"12)*;' *+,.#'<(%'"'+'U!

.<<62 .0 ,-' 6$87' .+' $+1,-* ,<Y 04.+ /+' .00-/+ Y 047/' 8/$ <.6M' 7*1'SL'

+/ 7,-' 5-/8,,<*+?' /0' 7,' -*+8,2' *+' 7,' ,N,-8*6,' /0' 7*6' +,4' 0$+8*/+62 04.6 7,' .M*+?' 5/66,66*/+' /0' 7*6' 0. 7,-06' 5.5,-62 .+' .8'47*87' ?.#,' 1$87' /00,+8,' /' 7,' Q$,,+' .' 7,' *1,2 .+<047*872 .0 ,-' 7,' *+?06' -,8/#,-=2 7,' -*+8,'4.6' /3*?,<' /' ,N5 .*+' /' 7*1'*+' .+' .5/ /?, *8' , ,-2 47*87' *6' 6*' ,N .+ 0' 6' 7,' -*+8,2 7/4,#,-2 *0' 7*6' ,N5 .+. */+' 3,' 8/--,82 +/' 5+ =' 8/+6$,<' 7,' /-<' (7.+8, /-' /+' 7,' 6$3B,82 3$' 5 .8,<' 7*6' 0. 7,-06' ,00,86' *+' 7,' 7.+<6' /0' 7,' 5-/5,-' /00*8,-6' /0' 7,' (-/4+2 7,' .+?,-' /0'7*6'5.-,+6' 1.=' 7.#,' 3,,+' /88.6*/+,<-. 7,-' 3=' 7,' ?,+,-.' 3,.- ,660' +,66' 47*87' 1.-M,<' 7*6' 8/+<$8' .' 7*6' *1,2 7.+' 3=' 7,' 6*+?,' .8' *+' @$,6*/+2 47*872 .0 `- . 2 1.=' 7.#,' 3,,+' 4, 0*+ ,+*/+,<' (,- .*+ =' 7*6' 3,7.#*/$-' <$-*+?' 7,' 5,-*/<' /0'7*6'0. 7,-06' 5-/6 -. */+' 4.6' 1.-M,<' .' *1,6' 3=' 7,' 1/6' .1,+.3,' 4.+' /0' .6,' .+<' 5-/5,-' 0,, *+?' /-' *+6 .+8,2 .' .<=2 47/' 4.6',#*<,+ =' 4, ' *+0/*01,</0' 47.' 4.6' 5.66*+?' *+' 7,' 7*?7,-' 8*-8,6' /0'6/8*, =2 -, . ,6' 7,' 0/ /4*+?' 5.-*8$.-6' *+' .' , ,-' /' .' 0-*,+<2 /+' 7,' .$ 7/-*=' /0' .<=' &/$+' <?,8$13,2 47/' 7,-6, 0'-,8,*#,<' 7,12'0-/1' 7,' $87,66' /0' 0/-</+' Y ' 0,4' <.=6' .?/' &-6' *87.-<' F.5/ ,' ?.#,' .' 6$55,-' /' 7,' 4/' -*+8,62' &-6' *>7,-3,-2 (/ /+,' $.- /+2 A.8M' .=+, Y 47/' *6' 6$87' .' 0.#/$-* ,' 7,' *6' /' 3,' .' /-<' /0' 7,' <1*-. =2 .+<' ,.+6' /+' 7,' -*+8,' .6' 7,' 4. M62 +/' 7,' -*+8,' /+' 7*1 Y' &*66 " .++,8M2A' .+<' .'0,4' / 7,-6' 7,' $87,66' /0' 0/-</+

[' */*;,' B "E*7B#' "*.7'*1/' ,--,.#'<(%'"<'++' ! ' ! ! ! U 4 -'"#68-'0*".'-(' */!'-)*-' #(;,' -";,' *0-,.J"*./#'-),' ."1:,' *+(%(2"V,/'-(')"#' (%/' #8692(<,.1(.' (1' ;,,-"12'%"";'*-' ,=

-' *.% 8##,%%3#' ,;(."*%#'(0' (>'<(%'""'+'! 4),' "123#+."<*-,',00,:-#'=(8%/' #,,;'-(')*<,'6,,1' (0':(1#"/,.*6%,'<*%8,' (.*:,'E*%+(%,'"1'*'%,--,.'-(' ".' (.*:,' *11'/*-,/'-),' -)'(0' ,6.8*.7'0(%%(="12'#+,*@#'(0'-),' /"#:(<,.7'(0'-),' "123# C'<*#-'+."<*-,')(*./DB* '<(%'">'+' N'*1/'-),' ."1:,3#%,--,.'-' ')"#'0*-),.'-,1/#' -(')-),'#*;,'"10,.,1:,' C),' #"-8*-"(1D),' =."-,#'C(0'-),' *+*.-;,1-#'(0'E"1/#(.' *++,*.,/'-(';,'671'(';,*1#'#,:8.,'*1/'-6,'#8#+":"(1'=)":)';"2)-'2,-'*6.(*/'(0'-),".' <*%8,'#,,;,/'-("1:.,*#,'-),'."#@D48 ,d1("*d#' C' 7'<(%'"'++'! '!

e' "## $*81,:@'=*#*'#"#-.'(0'-),')(#-,##' .#' ":)*./'E*%+(%,' B.'",7'=,.,' S/*82)-,.#'(0'".' (#)8*'$*11,:@';,.:)*1-'(0' ,<,1"12)*;' *%%' 800(%@

7, /+ = * * , 7, -*+8, 6.=6 Y F 7. .0*+, 0, /4 1= 3-/ 7,) /-M *6T , +, #, -0/-6.M, 6 1, 7, / 7, -
<.= 47, + 4, 4, + / //M 0/- 7, *+?6 1/+, = B, 4, 6 U8 . , 4 .6 4, /5, +, < 7, <-. 4, -6 1= 1/ 7, - //M, <
#, -= $+, .6= .+< ?-, 4 .+?-= ' .=6) /-M /7, - & .<. 1 3, *, #, = /$.-, .6 1$87 <, -.+?, < .6 7, *+? 7, +
6.=6 A.8M .=+, Y .0 , - .0 ?-, . 1 .+= *+#, 8 *#, 6 .?.*+6 &- * Y 8. *+? 7*1 F*H*. 1 7, /$- 7 F* *. 1 7,
(/+@$, -/- U8 Y &- * 6 87.6 * = 4* 5-/ , 8 7,
Q$, , +2 47*87 4.6 -, 8, *#, < 3= . 5-, 6, + .6 .0 #, -= ?//<
7*+? 7, $87, 66 /0 /-</+ Y /- 47*87 = /$ 4* *M, 7, - 7 /$?7 .0 '8/ 874/1.+ Y <, 8 .-, < *0 7, = 3, ?.+ /
.3$6, 7, Q$, , +67, 4 /$ < , .#, 7, -//1 +< +/4 .1 *+ .0-*?7 , 6 67/$ < 7.#, / < =/$. 7*6 3, 0/-, L0
+ .+/ 7, - /88.6*/+ /0 A.8M .=+, L #, + *+?6/1,
-*3. <-= .?.*+6 7, Q$, , +2 7, $87, 66 ?.#, 7*1 .0 , 66/+
47*87 7, 5-/3.3 = +, #, -0/-?/) /$ 7 , 2 *+6*?+*0*8.+ 2
?//<00/-0+/ 7*+? $56 .- Y =/$ 87. , -*+? 5$55= L 67,
, N8 .*1, < 2 7/4 <.-, = /$ +.1, = /$- -/=. 1.6 , -6 -/=.
1/7, - *+ 7. 6 = ` L 2

C "%"*%"12.*-"-8/,'
#3- 1(-*#-)"# ; (8-)#)(8%/'-,*.'-)"#)*1/
.(;'%"0-"12'0((/'-("-'f

(8.'(%/'@"1/'0*-),.' =)(#('0.*1@'),*.-2*<,'*%% 4
'-)*- =*7 ; */1,## %",#' ,- ; ,'#)81'-)*-'?
('51(.(' (0'-)*-''D4 : ' * '*:-'!'#:,1,'U

I' %%8/"12' (0':(>8.#,'-('-),' =,%%9@1(=1'5(@,#'*2*"1#- .' "--' =)":)' =,.,':8..,1-
*-'-)"#+,."(/'&4
C ((1,.' 81/*#*1' 1/"*1'6."/,'/,:%"1,'?
((1,.'#)*%% ' ;7':)*#-"-7'.,#"21 D

),.,' *.,' "1'-),'M (%"-":*% "#:,%%*1",#'B 1('0,=,.'-)*1',%,<,1' "..,<,.,1-,+"2.*;#
(1'-),'C ; ;*:8%*-,' (1-"1,1:,'(0'-),' ."-"#)' :"+"(D
-' "## *7,.'-(' "## 86,.' F %""# %,--,.' =*#B#,1-'-(' (./' 8:@%*1/' -),1'-%"('
."-"#)' "1"#-,.' *-' */."/'-(' 2"<,')";' C'-),'6,#-' "10(.;*-"(1D4 23 % ' 4 D
& ' <(%' "" ' ++' ' 1(-,' ' ' ,#+,:-"12' "## *7,.' #,' ME *%+(%,3#
'9 */7' *.:(8.-3#+"*.7'? *##,73# "#-(.7'(0' 12%*1/' <(%' """' +' ! ' 1(-,' (-G
="-)#-*1/"12' -),' 8:),##3# "1-";*:7' =")' -),' ."1:,' (0' E *%,# *1/')"# 0.",1/#' #),'
:(1-"18,/'-('%"<,'(1'-),';(#-'0.",1/%7'-,.;# ="-)' .' "--'),'(1,'/*7"1<"-,/')";'
-(' /"11,.'*-'=)*-'=*#-),1'-)(82)-'-),';(#-'81.,*#(1*6%,')(8.'(0',"2)-'),' ."; '
"1"#-,.' =.(-,'6*:@'-('),.'-)*-'),'=*#,12*2,/'-(' 3& *-'-)*-')(8.'="-)'-),' "#)(+'
(0' "1:(%1 4 ="##3# * ' ' " ' <(%"'+'

7,0.8 /0 7, -*+8, /#,-E.$*+?7*60.7,-05 5.5,-6 4.6$+7.55* =+/ 7,/+ =/88.6*/+ /07*6$+<$ =*+ -$<*+?7*16,0/+ 7,.5.- 1,+6 /0 7,6*8M &/+.-87 7*+M2L 4-* ,6 /-< -,+#* ,2 /0 7, -*+8, /0 F.,6 *+ -/G <$8*+? /-< /7*.+ *+ /7, *+?05 -//1 47,+ * 4.6 <.-M,+,<2 *$ /-<,- 7. 7,1*?7 7,.-7*6 -.#*+?6. 7, *1, 7. 7, =4,-, . 7,4/-6 1L0

C E 9 1,<,.-6(*2)-(),*.7(8#+,*@*2*"1
C: E 9)7="#)=*#0*-),. *..7-(-)*-)-(82)-
#-*7-((%(12'67-),, =,*.7-),,
(#-%"(1'#()812,.0(.;7,;+-7:)*".
)*-)-(8="%-1,,/#"1<,#-),,="-);"1,)(1(8.#
,0(.,-%"7)(8.6,."+,fD
: E 9 1 *.- *:-U#:,1,U

'/ * ,-,65,8.55,.-6 /7.#,3,,+67/4+0/- 7, * $6-*/$6*+#.*<3=7*6,N5,8.+7,*-2 7.**4.6+/ * 0*#,<.=6.0,-7,7.<3,,+6,*>,<4*7<,*-*$1Y.+< 7,+/+=.7,*+6.+8,/0 &-* *.+< /-<'=<+,=YD 7.4/ -//16 /0 7, ,<87.13,-4,-,.55/*+ ,</ -,8,*#, 7,+.1,6 /0 7, +$1,-/$6 5,-6/+6 47/0/8M,< / 7,5..8,2 /1.M, .+N*/$6 *+@$*-*,6 .0,- 7,*- '/#,-,*?+A

+7, ,.-=6.?,6 /0 7, *+?05 1..<=2 /-<,- .+< <,8,+8=7.<5-,#.*,< .F*+<6/- (.6, &*+*6,-62 /+ 7,*-5.-2 4,-,<,6*-/$6 /08/+8,.*+? 7, -$, +.$-, /0 7, *+?05 *+<*65/6**/+[47*, 7,Q$(,+ +.$-.=1.+*G 0,6,< 7,?-,.,6 -,5$?+.+8, / 7,6,8-,6 /07,-8/+G 6/-05 6*8M 87.13,-3,8/1*+? 7, /5*86 /05$3*8?/66*5 '/6$88,660$ =20/-.*1,2 7.< 6,8-,8=3,,+5-,6,-#,<2 7.,#,+ &*66 $-+,=2 +/ 4*76.+<*+? 7,8/+0*<,+*. 5/6 47*87 67,7, < $+<,- 7, -/=.-//02 .55,.-6 0/- 6/1,<.=6 /7.#, 3,,+ $+<,- 7, 8/+#*8*/+ 7.7, *+?05 <*6/-<,-4.6 /0+/ 4/-6,.87.-.8,- 7.+.#*/ ,+ 0,#,- F*7 7,.--*#.2 7/4,#,-2 /0 7, -*+8, /0 F.,6

[E"%%"*;()1'0"0-) *.A8"#(0 (-)"*1**0-,.=*./# *2,1,.*%"1-),*.;7/",/ %R)'(0 *18*.7 L
-8:@"12)*; *+,.#<(%""+ "6"/<(%"+UUL

-*/$6' 5. *,+ ' ' 7,' 5//-' Q$,,+2L' 4-* ,6' &*66' $-+,=2' '*+' .' /--,+ ' /0' ,.-62' 5-,5.-,< 7,-6, 0' 0/-' 6,,*+?' 7*1 L' '/' /+?' .' *1,2' 7/4,#,-2' 4.6' 7,' *+' 1.M*+?' 7*6' .55,.-G .+8,2' 7.' .' ,+? 7' 7,' Q$,,+' <,65. 87,< .<=' *>.3, 7' F. <,?-.#,' /' .68,- .*+' 7,' 8.$6,' /0' 7,' <, .=' 7,' *+ , *?,+8,' 47*87' .<=' *>.3, 7' 3-/$?7' 3.8M' 6.+M' <,,5'*+ /' 7,' 5-/$<' 7,.-' /0' 7,' 6/--/4*+?' Q$,,+' -' F.--,+2' *' 6,,162' 4*7/$' 7.#*+?' 8/+<,68,+<,< /' 1.M,' 7,' 67?7 ,6' 8/11$+*8. */+2' 5,-6/+. =' /-' 3=' 1,66.?,2' /' 7*6' -/=.' 1*6-,662' 7.< 5-/8,,<,<2' 4*7' 7,' /7,-' 57=6*G 8*.+62' 0-/1' 7,' /<?,' /' 7,' (.6 ,2' *+' /-<,-' /' -,5/-' 5-/?-,66' /' 7,' 5-/0*?. ,' =/$+?' -*+8,2' 47/6,' 6.-2' /'. ' .55,.-.+8,2' 4.6' -*6*+?' 6/' -.5*< =' *+' 7,' .68,+<.+ ' ' ' 7*+M2L' 4-* ,6' &*66' $-+,=2' '.' <,,5,-' 3/4' '7.#,' +,#,-' 4*+,66,<' 7,' ,.-6' 4,-,' +/4' 4*5,<' ' *+<*?+. */+' .-/6,2' 4*7' 5.*+2' 7,' 6,#,-,6' 5.*+2' /0' ,#,-=' 65,8*,6 L' H+0/-G $+. , =2' 7,' Q$,,+06' .00*8*/+' 4.6' .$?1,+ ,<2' *+' 7,' 8/$-6,' /0' 7,' <.=2' 3=' 7,-' 3,*+?' 8/+6 -.*+,<2' .' 7,' *+6 .+8,' /0' 7,' -/=.' 57=6*8*.+62' /' -,1/#,' /' / 7,-' .5.- 1,+ 6' .' .' <*6 .+8,' 0-/1' 7/6,' /0' 7,-' 3, /#,< 8/+6/-' ' ' 7,' ,+ -.+8,' *+ /' 7*6' +,4' 7.3* . */+2L' 8/+ *+$,6' &*66' $-+,=2' 7,' 5//-2' 4-, 87,< Q$,,+' /+8,' 1/-,' ?.#,' 4.=' /' .' 5,-0,8' .?/+=' /0' ?-*,0' .+<' .00*8*/+' I E* ,2' 7,' 4/-<6 Y' P F7.' 4*' 3,8/1,' /0' 1,' S F7.' 4*' 3,8/1,' /0' 1,' SCY' $,-,< 4*7' 7,' 1/6' 5*,-8*+?' .1,+ . */+2' 6-$8M' <,,5' .+< 7.-<*+ /' .' /$-' 7,.-6 L' ' $',#,+' 7,'6.< N-=' /0' 3,*+?' . /4,< /' 4,,52' ,*7,-' . /+,' /-' *+' 7,' 5-,6,+8,' /0' 7,-' <.$?7,-62' 4.6' <,+*,< /' 7,' $+7.55=' Q$,,+' -/1' 7,' B/*+' .+<' -$6 4/-7=' .88/$+6' /0' &*66' $-+,=' .+<' /-<' $M,,=2' 4,' ?,.+' 7.' 7,' -*+8,' /0' F.,6' .+< 7,' $M,' /0')/-M' 4,-,' +/' /+=' *+' 7,' 8/+6 .+' 7.3*' /0' '?/*+?' *+' .+< /$'L' /0' 7,*-' 1/7,-06' .5.- 1,+ 2' 7$--=*+?' ' /' .+< 0-/',#,-=47,-,2L' 3$' 7.' 7,' .3-$5 2' *0' +/' '*+<,G *8.,' 1.++,-2' *+' 47*87' 7,=' 7.< .88$6/1,< 7,16,#,6

/ 65,.M /0 .+= 87.+?, *+ 7,*- 0. 7,-06 8/+<**/+2 4.6 8. 8$. ,< P/ 5-/<$8, . 1/6 <*6 -,66*+? ,00,8 $5/+ 7, +,-#/$6 6=6 ,1 /0 7, .?* . ,< Q$,,+
7, *+? *+ 7, 1,.+ *1, 8/+ *+$,< P*+ 7, 1/6 .00 *8 ,< 6 . , F7,+2 /+ 7, ,#,+*+? /0 7, ; 7 /0 /#,13,-2 &- * 2 .0 ,- .+ *+ ,-#*,4 4* 7 7, -/=. 57=6*8*.+62 -, $-+,< 0-/ 1 F *+<6/- / /+</+22 7,3-/$?7 3.8M 7, <*67,.- ,+*+? *+ , *?,+8,2 7. 2 7/$?7 7, *+?06 *0, 4.6 7/$?7 /3, *+ +/ *1 1,<*. , <.+?,-2 7*6 1,+ . <,-.+?,1,+ 7-,. ,+,< /3, 5,-1.+,+ 88/-<*+? / /-< $ M, ,= Y 47/ 5.*< . 7-, , <.=6C#*6* / F *+<6/- . 7*6 *1, Y 7, *+?06 6 . , 4.6 4/-6, 7.+ . 7/$6.+< <,. 76 LT +5 7, 9 7 &*66 $-+,= . 6/ 4-* ,6 Y 7*6 4.6 . 1/6 <*61. <.= 7, <,.- .+< 1/6 6$00,-*+? *+? 4.6 ,N -,1, =* 7, Q$,,+ #,-= 4-, 87,< L A +5 7, 99 7 7, *+? 4.6 6/1,47. 3, ,- *6 B*$ 6, .+< .55, * , 4,-, +/ / + = .6 ?//< .6 3,0/-, 7*6 . .8M2 3$ 2 *+ 7*6 $8*< *+ ,-#. 62 7, 8/+#,-6,< 4* 7 ?-,. 8/ 15/6$-, 4* 7 7, 5.?, *+ . ,+<.+8, /+ 7*12 ,65,8*. = -,8$--*+? / . 5-/B,8 ,< #*6* / 7, ' /$ 7 /0 -.+8, /0 7*6 6*N 7 6/+2 $?$6 $62 .0 ,-4 .-<6 $M, /0 '$66,N [
+, /0 7, 1/6 -,1.-M.3 , 0,. $-,6 /0E7, *+?06 <*6G /-<,- 4.6 7*6 +,#,-08,.6*+? ?.--$ * = H5/+ /+, /88.6*/+ 7, _6 06.*<R / 7.#, . M,< $+8,.6*+? = 0/- 6*N ,,+ 7/$-6 2 6 '*- $8.6 ,5=6 .+< (/ /+, *?3= 6,#,-. = / < &*66

I * /*;, 3 .6%*73# "*.7 *1/ ,--,.# <(% "< ++ U 8:@"12)*; *+,.# <(% " ++ UUU UUL
- 8:@"12)*; *+,.# <(% " ++ UU UU UU! UUU
* /*;, 3 .6%*7B# "*.7 *1/ ,--,.# <(% "< + !
Z 8:@"12)*; *+,.# <(% " + UU
8:@%*1/ (..,#+(1/,1:, <(% "" + UU 8:@"12)*; *+,.# <(% "" +), 0(%% (="12 6.", 0 ,>-.*:-# 0.(; , "*.7 (0 (./)", 0 8#-":, ,17(1 *., 1(- ="-)(8- "1-,.,#-& 4 < G H "1,/ ="-) -%", (./)*1:,%% (. =)(=*# 58#- :(; , 0.(; -), ."1:, (0 E *%,# =)(6*/ #,1- 0(.) "; -(E "1/#(. (1 *::(81- (0 -), "123# *%*.; "12 #-*-, (0 ; "1/ */ ; 8:) :(1<, .#*-"(1 ="-) -),)*1:,%% (. *# -(=)*- =*# -(6, /(1, "0 -), "%%1,## :(1-"18,/? ,2,1:7 c: D <G I),)*1:,%% (. #,1- 0(. ; (*2*"1 -)"# /*7 -(:(1#8%- *6(8- -), +86%": *0-3". #),)*<"12 58#-)*/ *, %,--, .0.(; . E *..,1 + 3/ + (<G gh- .,*@0*#-,/ ="-) (./)*1:,%% (. =))*/ 6,,1 7,#-,./*7 *- E "1/#(. 67 -), ."1:,3# /,#".,*1/)*/ ; 8:) :(1<, .#*-"(1 ="-) -), ."1:, D4 (./ * ; +6,%%3# * 4 <(% < +

$-+,=2 *,' . M,< /0 ',#,-=3/<=5 .+< ,#,-= *1? L5 ') , 2 ,#,+5*+5 7*6 <, *-*$12 7,' 1 .*+ .*+,< .5 6*+?$.-58/+ -/ ' /#,-5 7*6 *<,.62 .+< .' 4 . 870$ +,66 /#,-5 7*6 65,,872 47*87 ,+G .3 ,< 7*1' /' .#/*< 8,- .*+5 <, *8. ,' 6$3B,8 6 /+5 47*875 7*6 1*+< 1*?7 ' 7.#,' 3, ,+5 ,N5,8 ,< /' <4, 2 .+< 47*875 * ' 4.6 1/6' <,6*-.3 ,' 7. ' 7,' 67/$ < 7.#,' 6, 008/1 1.+< ,+/$?7 /' .#/*<' ' 4.6 /36,-#,<2 1/-,/#,-2 3=5 7/6,' 47/' ,+<,< 7*1' *+5 7*6 * +,662 7. 2 7/$?72 *+5 7*6 4.+<,-G *+?62 7,' 0-,@$,+ =5-, . ,< 5,-6/+. ' .+,8</ ,6 /0 7,' <,.<2 7,' 8.-,0$ =5.#/*<,< <*68$66*+?5 7,' 87.-.8 ,-6 /0 7,' *#*+?' $' 7,' 1/6' 6 -*M*+?5 0,. $-,6 /0 7*6 5.*+0$' 1. .<=5 4,-,' 7,' +,#,-00.* *+?5 ,#*<,+8,6 /0 5$-* =5 /0 1*+<2 .+< ?//<+,66 /0 7,.-2 47*875 ? ,.1,< 7-/$?75 7,' 1*6' 47*87 /368$-,< 7*6 *+ , ,8 6' 2 4.6 /36,-#,< 3=5 (/ /+,' *?3=2 47/' 4.6 8/+6 .+ =5 0/-5 7/$-6 4* 75 7*1' *+C 7*6 6*8M087.13,-2 7.' 7,' 7*?7,6 05.+,?=-*85 7.' 8/$ < 3,' 0/-1,< /0 7*6 87.-.8 ,-5 4/$ < +/' ,@$.' 47.' *+5 7/6,' 1/1,+ 6 67/4,< * 6, 0I 7.2 4* 75 7*6 7,.-' .+< 1*+< ,+ *-, =5 /5,+2 +/' /+,' 4-/+?5 *<,.' .55,.-,<I 7.' . ' 4.6 3,+,#/ ,+8,2 87.-* =2 -,8 * $<,2 /#,' /0 7*6 8/$+ -=2 .+< .+N*, =5 0/-5 * 6 4, 0.-, L50

F,' 7.#,' 7,' 0$- 7,-5 .$ 7/-* =5 /0 (/ /+,' *?3=2 .6 4, '.6 7.' /0 -' .* *,2 7.' 7,'* **+?5 <$-*+?5 7*6 * +,66 '6.*< 1.+=5.8$,'.+< -,.6/+.3 ,' 7*+?6 LY E7.' 7,' 67/4,< +/' 6*?+5 /0 0.* $-,' /0 *+ , ,8 Y3$ 2 /+5 7,' 8/+ -.-=2 7.' 7,'0-,@$,+ =5-,0 ,8 ,< .+< -,.6/+,< 8/--,8 =5 6*+6 .+8,6 *+5 5/*+ 2 7,' 0/ /4*+?5 .+,8</ ,6 $6,< /' 3,' -, . ,< 3=5 7,' &.6 ,-5 /0 7,' / 62 '*-5 F* *.1' -.+ ' 7,' 8/+#,-6. */+5 7.55,+*+?5 /+,' <.=5 /' $-+5 $5/+5 7,' 8/$+ =5 /0 /-6, 2 7,' *+?5 1.<,' 6/1,' *+@$*-*,62 3=5 +.1,2 -,65,8 *+?5 6,#,-.' 0.1* *,6 -,6*<,+' *+5 7.' 8/$+ =2 *+8 $<*+?5 7,' 0.1* =5 /0 7,' ,5$ =5 A$<?,0 <#/8. ,' ' F7,+5 ' ?/' /' .+/#,-2L5 7,' 6.*<2 ' & - 00000 1$6' ?/' 4* 75 1, L5 .#*+?5 3, ,+5 .6M,< 7,

-,.6/+‘ 47=Y ‘ ,8.$6,2L‘ 7,‘ -,5 *,<2‘ ‘ 7,‘ ,5$ =‘ A$<?,0‘ <#/8. ,‘ 1$6‘ 7,‘ 4* 7‘ 1,2‘ /‘ 8/--,65/+<‘ 4* 7‘ 7,‘ A$<?,0‘ <#/8. ,2‘ 47/‘ 8.++/‘ ‘ ,.#,‘ +? .+<2‘ .+<‘ 7,‘ 1$6‘ 7.#,‘ .‘ <*-,8‘ /00*8*.‘ 8/--,65/+<,+8,‘ 4* 7‘ 1, L‘ 7*6‘ 4.6‘ .‘ 0.8 2‘ * ‘ 6,,162‘ /0‘ 47*87‘ +/‘ / 7,-‘ 5,-6/+‘ 5-,6,+ ‘ 4.6‘ 8/?+*6.+‘ 3$‘ 7,‘ *+?

7,‘ / 7,-‘ *+6 .+8,2‘ -, . ,<‘ 3=‘ '*-‘ RF* *.12‘ *6‘ .6‘ 0/ /46‘ 1/+?‘ 7,‘ +,46‘ /0‘ 7,‘ <.=2‘ .‘ -,5/-‘ /0‘ 7,‘ <,. 7‘ /0‘ 7,‘ &.-87*/+,66‘ /0‘ $8M*+?7.1‘ 7.55,+,<‘ /‘ 7,‘ 1,+ */+,<‘ *+‘ 7,‘ *+?06‘ 7,.-*+?Y ‘ .1‘ 6/--=‘ 0/-‘ * 2L‘ 6.*<‘ 7,‘ *+?2‘ ‘0/-‘ 67,‘ 4.6‘ .‘ ?//<‘ 4/1.+2‘ 7/$?7‘ .‘ /1.+‘ (. 7/78 L‘ /-‘ 7,‘ &.-@$*62‘ 7,‘ ,N5-,66,<‘ 1$87‘ 6=15. 7=‘ I /36,-#*+?2‘ 7. ‘ *0‘ 1.--*.?,‘ #/46‘ 4,-,‘ /‘ 7,‘ <*66/ #,<2‘ .+<‘ .<=‘ $8M*+?7.1‘ 4,-,‘ 6 * ‘ .7#,2‘ 7,‘ 3, *,#,<‘ 7,-‘ /-<‘ 4/$ <‘ -,+,4‘ 7*6‘ ‘ =0 7,07=,2L‘ 7,‘ .<<,<‘ .-87 =2‘ ‘ ‘</‘ +/ ‘ 7*+M‘ 1.+=‘ /0‘ 1=‘ 0-*,+<6‘ 4/$ <‘ </‘ 6/ L‘ 0

-/1‘ 7,‘ 9 7‘ /‘ 7,‘ 9W 7‘ /0‘ /#,13,-2‘ 7,‘ *+?‘ 8/+G *+$,<‘ /‘ 67/4‘ 6/1,‘ 6*?+6‘ /0‘ .1,+<1,+ 2‘ 7$‘ /+‘ 7,‘ 9K 7‘ . ‘ 4.6‘ ? //1‘ .+<‘ <,65.*-‘ .?.*+‘ . ‘ F*+<6/-‘ 7,

[‘ "*.",# (0‘-),‘ "2)-‘ (1‘ ,(.2,‘ (#,‘<(%‘"‘ ++‘ U‘ L‘ ,#+,:-"12‘-),‘"; +(.-G *1:,‘=)":)‘-),‘ -,1/,.1,## (0‘-),‘ "123# :(1#:",1:,‘%,/‘)" ;‘-(‘*--*:)‘-(‘-),‘#,%,:-"(1‘ (0‘ *‘ +.(+,.‘+,.#(1‘-(‘0"%# -),‘"; +(.-*1-‘*1/‘ .,#+(1#"6%,‘ +(#-‘ (0‘ 8/2,9 /<(:*-,‘ *# =,%%‘*# #)(="12‘-),‘ "123# "1-"; *-,‘ @1(=%,/2,‘(0‘-),‘ A8*%"0":*-"(1# *1/‘ :*+*:"-7‘ (0‘ ,<,1‘ #86(./"1*-,‘ :*1/"/*-,# 0(.‘ :"<"% , ; +%(7; ,1-‘ #,,‘ ; ‘ 0 ‘ <(%‘ ""‘ ++9 ‘ ‘ C ,‘#+(@, D=."-,# (#,‘C(0‘-), ;‘W-),‘/8-",# (0‘-),,00":,X 1# "; +(.-*1-‘? #*"/‘-)*-‘*‘ /,+8-7‘#)(8%/‘6,‘*++("1-,/‘? -)*-‘-),‘#"-8*-"(1‘(0‘-),‘+."1:"+*% #)(8%/‘6(‘ <,.7‘ .,#+,:-*6%7‘0"%%,/‘? *%%8/,/‘-(‘-)Q‘ :*#,‘ (0‘-),‘ (8.-‘ *.-"*% #"--"12‘ (1‘#(; ,‘ (00":,.# (0‘-),‘ ,/0(./#)".‘ "%"-"*‘ =),.,‘-),‘ (8.-‘0.(;‘-%",‘"21(.*1:,‘(0‘-),".‘ 8/2,9 /<(:*-,‘)*/‘2(-‘"1-(‘*‘ ; (#-‘*=@F<*./‘#:.*+,‘ ‘,‘-),1‘ ; ,1-"(+,/‘-),‘:*1/"G /*-,# 0(.‘-),‘ , ; +%(7; ,1-‘& .‘ ,,<,#‘-),‘%*=9:%,.@‘(0‘-),‘ ."<7‘ (81:"‘#8++(.-,/‘ 67‘-),‘ %"*1:,%%(.‘68-‘810"-‘0(.‘-),‘#"-8*-"(1‘0.(;‘)"# "; +.*:-":*6"%-7‘)"# -, ; +,.‘*1/‘)"# "/%,1,##? .‘ ,="# ‘%*-,‘ R1/,.9 ,:.,-*.7‘*-‘ E*.‘#8++(.-,/‘ 67‘*‘#,-‘*6(8-‘-),‘ 8@,‘(0‘ (.@‘)"# (1%7‘.,:(; ;,1/*-"(1‘6,"12‘)"#)*<"12‘-),‘)(1(8.‘-(‘6,‘6.(-%",.9 "19%*=‘-(‘ ,1,.*% .(=1."22,‘ 1(-‘ ,/8:*-,/‘-(‘-),‘ +.(0,##"(1‘(0‘-),‘%*=‘? *1/‘ .‘ E*-#(1‘*‘+,.#(1‘*%-(2,-),.‘81@1(=1‘*1/‘#(‘%"--%,‘,#-,,;,/‘"1‘-),‘$(%81-,,.‘:(.+#-(‘ E):)‘%",‘6,%(12#‘-)*-‘-),‘(00":,.# (0‘"-‘=(8%/‘1(-‘*%%(=‘)";‘-(‘#8::,,/‘-(‘-),‘ *5(."-7‘ (1‘*‘<*:*1:7‘ "# *5,#-7‘-),1‘.,-8.1,/‘-(‘-),‘";+(.-*1:,‘(0‘-),‘(00":,‘*1/‘*//,/‘ -)*-‘),‘0,%-‘+,.#(1*%%7‘*‘#-.(12‘*1>",-7‘-)*-‘"-‘#)(8%/‘6,‘=,%% *1/‘.,#+,:-*6%7‘0"%%,/‘ *#‘"1‘-.8-%"‘),‘0.,A8,1-%7‘,:"/,/‘ ;*--,.# (0‘*‘<,.7‘1":,‘*1/‘/,%":*-,‘1*-8.,‘(1‘-),‘ (+"1"(1‘(0‘-)(‘ 8/2,9 /<(:*-,‘"1‘/"#:8##"(1# ="-)‘)" ;? +8--"12‘-),.,0(.,‘)"# :(1G #:",1:,‘-(‘*‘:,.-*"1‘,>-,1-‘"1-(‘)"#)*1/# D4 @)‘0 ‘<(%‘""‘++‘ ‘ -‘ 6"/‘‘<(%‘"‘+‘ L

+?2L #- ,6 &*66 $-+,=2 4.6 4/-6, *6 +*? * 7.< 3,,+#,-=3.<f 7,7.<+/4 6/1,6=15 /16,#,+<.+?,-/$6 /7*6 *0, 2?//< ,.#,+f 47. .<.=<*< 7*6 5-/#,f 6.4+/ .7$1.+ 0.8,2 6.#, .<*++,-f .+< 7,+ 47. 0.8,6f //1 .+< <,6B .*-* *+ . 2 .+< 6* ,+8, /, ,#,-= 65,8*,6 /0 *+ , *?,+8,fL '*1* .- =<*6 -,66*+?4.6 7, +*?7 /0 7,9 7 '*- (7.- ,6 .4M*+6 8.1,2L 5-/G 8,,<6 &*66 $-+,= , 7.<6. $5 2 7/4 ,--*3 , . +.--. *#, <*< 7,<-* =?*#, /0 7, +*?7f '7/-2 .3-$5 2 5,-,15 /-* =3.<2 .+< *+<$3* .3=7/5, ,66 <*< +/ <.-, . ,-23$?-,. =6/0 ,+,<2 7*6 -, . */+2*+?*#*+?* /1=5//-Q$,,+L 7*6 <.= -F .--,+ /< &- * 7. 7,-,4.6+/4,#,-=-,.6/+ /3, *,#, 7. 7, *+?06 <*6/-<,-4.6 +/ /7,-7.+ <*-,8 $+.8=2 4.6 7, #,7,1,+<,1.+< /0 7, .00*8,< &/+.-872. 7*6 *1,2 /3, ./4,< /6, 7*6 <.$?7,-6f 3$ 7*6 4.6 .- -,@$,6 47*87 7*6 57=6*8*.+6 <,,1,<** 7,*-*15,-.* E, <$=/ -,0$6,

-/1 7, 7 /7, ;7 +/*15/- .+87.+?,6,,16 /7.#, .M,+5.8, *+ 7, 8/+<**/+/0 7, -/=. *+#. *< 7, *+?2L6.*< (//+, *?3=/+ 7, -<2 4.6#,-= * *+<,,<2 .+< 6/ * , .4.-, /0 7*6 /4+ 8/+<**/+2 7. 7, 4/$< 6$31*/ +/ -$,2 .+fŒ87/6, /7.#, 8/15.+= 4*7 7*1 0-/1 1/-+*+? * +*?72 6,+<*+? /$ 0/- 7, ?,+ ,1,+ /+, .0 ,- .+/7,-2 4*7/$ *+ ,-1*66*/+L 4.6 +/4 7/$?7 +,8,66.-=20/- 7, 6.M, /0 7, *+?06 7,. 72 /0/-3*< 7*6 ,@$,--*,6 . ,+<*+? $5/+ 7*1 *+ 7*6 6*8M087.13,0A

'.<27/4,#,-2.6 4.6 7, 8/+<**/+/0 ,/-?, 7, 7*-<2 7. /0 7*6 Q$,,+ 8/+ *+$,< /3, 68.-8, =,66 <*6 -,66*+? &/-, 7.+ 7-,, 8,+ $-*,6 7.< , .56,< 6*+8,2 *+ 7, /-< = 87.13,-6 /0 F*+<6/-2 . Q$,,+ /0 +? .+< 7.< 5-.=,<

I * /*; (3 .6%*73# "*.7*1/ ,--,.#<(%"<++! U'! -8:R"126*;* *+,.#<(%""+ -*/*;,' B .6%*73# "*.7*1/ ,--,.#<(%"<++! !!!

7. '6.+* =' 1*?7 '3,'-,6 /-,< /' .+'*+6.+,'8/+6/- ' 7,-, Y' *+' 7,' / < *1, Y 7,'<,6/ . ,' 7$ ' 7*?7065*-* ,< & .-?.-, ' /0' +B/$' 7.< 4. 87,<2 4* 7' 7,-' *+0.+ ' 3/=' *+' 7,-' .52 3=' 7?' 8/$87' /0' 7,' ' 1,,M' 6-5,-2L' ,+-=' 7,' '*N 7f -,G 6/- *+?' /' ,#,-=' 1,.+6' 47*87' 67,' 8/$ < <,#*6, Y 0-/ 1' 7,' /-*6/+6' /0' 7,' <,#/$ ' /' 7,' /#,06/+?' /0' 7,' 1*+6 -, Y /' -,8/#,-' 7,-' 7$63.+< 0-/ 1' 7,' ,--*3 ,' , 7.-?=' *+ /' 47*87' 7,' 7.< 6$+M' $ ' 6.< .6' 7.< 3,,+' 7,' 8/+<* */+' /0' & .-G ?.-, ' /0' +B/$2 6 +* 1/-,' <*6 -,66*+?' 4.6' 7. ' /0' (7.- / ,' /0' &,8M ,+3$-?' & .-?.-, 2 . ' . ' ,#,+ 62 7.< 3,,+' . ' 7,' 7,.< /0' .' 5/4,-0$ ' 5.- =' *+' 7,' ' . ,2 3$ ' 7,' 8/+6/-' /0' ,/-?,' 7,' 7*-< 4.62 5,-6/+. =2 4* 7/$ ' .' 6*+? ,' 5/4,-G 0$ ' 0-*,+< *+' 7,' M*+?<1 ' ,-' 6/+62 47/' 67/$ < 7.#,' 3,,+' .' 5-/ ,8 */+' .+< .' 8/10/-' /' 7,-2 4,-,' +$13,-,< .1/+?' 7,*-' 0. 7,-06' ,+,1*,6' /' 5-/#*6*/+2 * ' 4/$ < 6,,12 7.< 3,,+' 1.<,' 0/-' 7,-' =/$+?,-' 87* <-,+ ' 7,' /-< (7.+8, /-2 47/' 67/$ < 7.#,' 3,,+' 7,-' .<#*6,-2 4.6' 1.M*+?' ,-16' 4* 7' 7,-' .<#,-6.-*,6

.55* =2 7,' *+?' .-*< 7,' /=.' .1* =' 7.< .' 6 .$+87' .+< 5/4,-0$ ' 87. 15*/+' *+' &-' * 2 47/2 47. ,#,-' 1*?7 ' 3,' 7,' 8/+6,@$,+8,6' /' 7*16, 02 4.6' -,6/ #,< /' ?$.-< 7,' *+ ,-,6 6' /0' 7*6' -/=. ' 1.6 ,-' *+' 6$87' .' 1.++,-' 7. 2 *+' 7,' ,#,+ ' /0' 7*6' -,8/#,-*+?' 7*6' -,.6/+2 7,' 67/$ < 0*+< 7*6' .00.*-6' .6' * ,' .6' 5/66*3 , <*6.--.+?,<2 .+< 7*6' M*+? =' .$ 7/-* =2 . ' ,.6 2 $+*15.*-,< 20' 7,6,' /3B,8 6' 8/$ < 3,' . .*+,<' /+ =' 3= -,6 -*8 *+?' 7,' 5/4,-6' /0' 7,' -*+8,

I' 8:@"12)*;' *+,.#'<(%'"'+'U!

0' C'),'2.,*-'(65,:-'-('6,'%((@,/'-(D=.'-,#E"%%"*;' .,1<'"%%,'-(')"#6.(-),.'-%",' *.G A8"#(0' 8:@"12)*;'(1'-),' -)'(0' (<,;6,.'C'#,,;#-('6,'-),'@,,+"12'-),' (<,.1;,1-' "1'#8:)'*'#-*-,'*#-)*-'"0'-),' "123#'),*%-)'#)(8%/')',B.,#-(.,/'),' ;"2)-'6,'(#0*.'*# +(##"6%,',1*6%,/'-(' .,#;1,'"-'*1/'-(':(1/8:-'"-'"1'#8:)'*' ;*11,.'*#)',' ;"2)-'58/2,' 6,#-' ' #8++(#,'-),.,' 1,<,.'=*#' *'#"-8*-"(1'"1' =)":)'*17'#,-' (0' ;,1',<,.')*/'*-' (1:,' #(' ;*17'+("1-#-(' /,:"/,'#(',##,1-"*%%7'*00,:-"12'-),".'(=1')(1(8.':)*.*:-,.' *1/'08-8.,'#"-8*-"(1')-),".'/8-7'-(')-),".':(81-.7'"1'*';(#-'.":*%#"-8*-"(1'*1/')-),".' /8-7'-(')-),".'81)*++7';*#-,.'-(' =)(;')-),7'*.,'81A8,#-"(1*6%7'6(81/'67'-":#(0' 2.*-"-8/,'*1/')(1(8.'"1/,+,1/,1-'(0':(1#"/,.*-"(1#(0'+86%":'/8-7'-(=*./#)";' ')(+,' (/'=)(')*#6,,1'+%,*#,/'-('*0 ":-'8#="-)'-)"#,<,.,'*1/'),*<7'-."%'="%% ,1*6%,'8#-('2(')-).(82)'"-')(1,#-%7':(1#:",1-"(8#%7'*1/'"1'*';*11,.'1(-'/"#)(1(8.G *6%,'-('(8.':)*.*:-,.# +3 ; /' & '<(%'"'++'UU 'UU!

+ 7, 1, .+ *1, 7, 5-/3.3* * =/0 * 5-/5/6*+?*+ .- *. 1, + /*15/6, .-, 6 -*8, <, ?, +8=/+ 7, 7, *- /* 7, 7-/+, 7.</88$--, </ .+<. .-1, < 7, 1*+<60/0 7, -*+8, .+< 7*60-*, +<6 H+ $8M* =0/- 7, 55/6* */+ 7, -*+8, 0687*, 0.<#*6, -((7.- , 6 /N4.6.36, + . 7*60*1, /+ 7*60 4.=/ . = 7, $M, /0 /-6, 1, + */+60 7*60 <, 5.- $-, 0-/1 .-*60 4* 7 &-6 -16, .< /+ 7, 9W 7 /0 $?$6 $-*+? 7, 0/ /4*+? 1/+ 7 4, 0*+<7*1. .$0 6b++, , -, 7, 65, + .<.=4* 7 -*33/+ 7, 7*6 /-*.+ 47*870 7, . , -7.6 -, 8/-<, <.6 /+, /0 7, 5, .6.+, 6 7, , #, -5.66, < 1.+8*5., <0-/1 7, 0-*#/ * *, 6 /0 -//M606 .+< 7, 1 /0 5/ * *862 7, .#/*<, < 7, . , -6$3B, 8.6 1$870.6 5/66*3, I 65/M, /0 * . 6 /+, ?-, . 1.+ 67/$ < 65, .M /0.+/ 7, -I L <*68/$-6, <, + 7$6*.6 *8. =.3/$ 3//M62 0-/1 7, P *.<C /7, P -.3*.+ *?7 6IC .+<2.6 7, 4.+G <, -, < 4* 7 *33/+ .1/+? 7*60.#/$-* , 0 /4, -03, <62 <*6G 5.=, < .6 1$870 M+/4, <?, /0 3/ .+= .+< ?.-<, +*+? .6 7, 7*6 /-*.+ 7*16, 0 5/66, 66, < T -/+\0 .$6.++, 2 /N 8/+ *+$, < 7*6 B/$-+, = /, -+, .+< j$-*872 *+ , +<*+? /, N, +< * .6 0.- .6 /1, , 7.< 5-/8, , <, <2 7/4, #, -2 +/0.-7, - 7.+ / /?+.2 .+< 7.< 68.-8, =3, , + .0*3-<, < *1, /6.$+, - .1/+?6 *6 6., =1.-3, /1360 .+< 8/ /++.<, 62L 47, + 7, 4.6 /#, - .M, + 3= .8/$-*, -2 47/ 3-/$?7 7*1 , , -62 47*870 <, 8*<, < 7*1 $5/+ 5-/8, , <*+? 7/1, 4.-<6 7, ?-, . 7, *-, 662 M*66 *B , 7, =2 /47/12 0/$- 1/+ 76 5-, #*/$6 =2 * 7.< 3, , + 8$--, + =3, *, #, < 7. 7, 4.6 .3/$ /3, 1.--*, <2 .+< /47/1 7, 4.6 .3, /8/10

K I -)"#-"; , -), .-"#) ; 6*##*/(.**. "# -66(18# "#:, %*1, (8# E(.@#++ 4 / ! C), ; *.."*2, ((> ="-% "## 8%-, 1, 7 D =."-, # ".E "%%"*; (812 (1-), -) ((0 81, C"#(; , -%""12 ; (., -)*1 :(; ; (1 -*%@ -), 8@, ((0 (.@B# 6*%%)(#*-).,) (8.# "1 *:(; , .="-) , .? *--, 1/#), .=, , @%7-(*1, %*2)? *1/"# *+, .0, :-)"%*1/, .D +3 % / & <(% "+! b 2*"1 -(., .=."-, # -((./ 8:@%*1/'(1-), -)&4 C E)*-/(7(8-)"1@(0 . (> 2("12 -(6, ; *.., /4*1/-("## 8%-, 1, 7 f), ., :, .-*"1%7"# #(; 8:)+.(6*6"%-7 (.**-%, *#-), 0*1:", # #(-)*-), 2"3B, #)"; #, %0"1 #+, :-*:%, *-*1, %*2)?)*1/#), .*6(8-c:D4 C)*.%, # ="%% #*7-("--%"@, (-)*."(-(%-*.*(1-W"1-), M *".,1"-, 1-3 M 1'%(<, -."8; +), /BD4

F* *.1 -,+#* ,2 .+< 3=7*6 ,.?,-+,66 /<*65 .=7*6 5,-6/+. **15/- .+8,2L 7, 7.< ?*#,+ 6$87 /00,+8, /7*6 5.- =<$-*+? /N06 .36,+8,2 7. 7, $M, /0 /- .+< 7.< <,8 .-,< 7*6 <, ,-1*+. */+ +/ /6* *+ 7, 6.1, (.3*+, 4* 7 7*1 +/ 7,-6/$-8, /0 ?-,. .++/=.+8, / /N2 4.6 .+ *+ ,+ */+ ,N5-,66,< 3= / ,2 &,13,- 0/- ,#/+67*-,2 /<,1.+< 0$- 7,- ,N5 .+. */+00-/1 7*1 *+ 7, /$6, /0 (/11/+6 /+ 7,<,*8. ,6$3B,8 /0 7, -*+8, /0 F. ,06 1.--*.?,4* 7 &-6 *>7,-3,- 2 /NLY 4-* ,6 .8/+ ,15/-.-=0 3,6*<,6* 7,. 72 *6 5 .?$,< /<,. 7 . <.= /+?I <*66. *60*,< 4* 7 &- '7,-*<.+06 6$5-,1.8=2 .+< +/ 87//6*+? /3, @$,6 */+,< 3= &- / ,2 47/ #/46 7, 4* 2 *+ 65* , /0 7-,. 6 .+< /55/6* */+2 7. 1. ,-L0

$ 7, 8*-8$16 .+8, 47*872 1/6 /0 . 2 /00,+<,< /N2 4.6 7, 0.8 /0 '7,-*<.+0.+< .=+, 7.#*+? 5,-6$.<,< 7, -*+8, /. /4 7,1 /,+ ,- *+ /.6,8-, +,?/ *. */+ 4* 7 7$- /42 3= 7, .- *8 ,6 /0 47*872 7, 6$- = .+< *+ -*?$*+? (7.+8, /- 4.62 /+ 8/+<* */+ /0 7*6 0/-6.M*+? 7, 8.$6, /0 7, *+? 0/- 7. /0 7, -*+8,2 /3, 5,-1* ,<2 *+ 7, ,#,+ /0 7, F7*?6 $-+*+? /$ 7, 5-,6,+ /#,-+1,+2 /-, .*+ 7*6 6,. /+ 7, 4// 6.8M /N+/ /+ =5,-6/+.] .+<7,.- * =<*6 *M,< 7$- /42 3$2 $+0/- $+. , =2 7, -,. ', 7.< 3,,+ . 1/6 5-/1*6,< /F,<<,-3$-+ 3= 7, F7*?62 .+< .88/-<*+? =2 *15/- .+ .6 * 4.6 /6,8$-, 7, 5/4,-0$. *.+8, /0 7$- /42 /N 8/$ < +/ 3$ 0,, 7. 7*6 /4+ ?//< 0.* 72 .+< 7. /0 7*6 5.- =2 4,-, 8/15-/G 1*6,<3= 7, .?-,,1,+ 47*87 7.<3,,+ ,+ ,-,<*+ /<$-*+?

[8:@"12)*; 8+,.1 <(% "" +UL 8:@%*1/ 8..:*+(1/,1,, <(% "" + 1 -), !-) (0 ,:,;6,. " E"%%"*; (812 =."-,# -(-), *.A8"# (0 8:@"12)*; 4C (%%, *1/),."/*1)*/ * =)"#+,."12 :(10,.,1:, 81/,. -), 28R,.7 0(.#(;; "18-,#? -), .,#8%- (0 =)":) ". :(--' (%":"-(.9 ,1,.*% ="-) =)(;; /"1,/ #*"/), 81/,.#-(((/ -(6(' 0". ;1,## (1 -), +*.- (0 (%%, "1)"# "1-,1-"(1 *- *'+.(+,.'-"; ,'-(:(;, 0(.=*./ +3 / & <(% "" ++L L E"R"*; .,1<"%%, *%#('#86#,A8,1-%7 =."-,# -(-%", *.A8"#4 C (>"# 2(1,'-(' *-) E),-),.'), "#<,.7 "%% 1# #(;, #*7 (.' =*1-# -(' #)".@-), /"#G :8##"(1 *6(8- .# "-V),.6,.-' *# (-),.# *##,.-' @1(= > #(<(% "" +

F * 7' 7,' ,N8,5 */+' /0' 7$**/ 42' 7,' -*1 ,' &*+*6 ,-' 7.< 8/+0*<,< 7*6'*+ ,+ */+6' /'+/' 6*+? ,' 5,-6/+' 3$ ' 7,' 0-//1' /0' 7,' ' / ,2' /-< F ,=1/$ 72' /+' 47/6,' -, *8,+8,' .+< 0*<, * =' +/ ' .' 3-,. 7' /0' 6$65*8*/+' .55,.-6' /' 7.#,' -,6 ,<' F* *.1' -,+#* ,2' . $<*+?' /' 7,' (7.+8, /-2' 4-* ,6' /' /-< $8MG *+?7.1 Y)/$ 4* ' 3,' . ' +/' /66' /' ?$,66' 47,-,' 7,' -*+8,' .8@$*-,6' 7*6' M+/4 ,<?,' /0' 7,' 5 .+6' /0' ,?,+8=' 47*87' .-,' /' 3,' 5-/5/6,<L' ' F7. ,#,-' 6$65*8*/+6' * ' 1.=' 5,-6/+. =' 7.#,' ,+ ,- .*+,< /+' 7,' 6$3B,82' 7,=' 8/$ < 68.-8, =' 7.#,' 0.* ,< /' 3,' 6 -,+? 7,+,< 3=' 7,' 0/ /4*+?' .88*<,+ .' /88$--,+8,' ,' 4.6' *+' 3,< .' 7*6' /00*8*.' -,6*G <,+8,' *+' /4+*+?06 -,,2' 47,+2' .' 7. 005.6' /+,' /08 /8M' *+' 7,' 1/-+*+?' /0' 7,' :7' /0' /#,13,-27,' 4.6' .4/M,' 3=' .' 6$11/+6' 0-/1' 7,' (7.+8, /-' /' . ,+<' .' (.3*+,' (/$+8*2' 47*872' 3=' /-<,-' /0' 7,' -*+8,2' 4.6' /' 7,' 7, < /+' 7. ' <.=' .' F*+<6/-' 6' 7,' , ,-' /$?0*' 5 /5,-=' /' 7.#,' 3,,+' <, *#,-,<' .' 7. 005.6' +*+,' /+' 7,' 5-,8,<*+?' ,#,+*+?2' 6/1,' *+@$*-*,6' 4,-,' 5$' /' 7,' 1,66,+?,-' .6' /' 7,' 8.$6,6' /0' 6/' 8$ 5.3,' .' <, .=2' .+< .1/+?' / 7,-' @$,6 */+6' 7,' 4.6' .6M,< 47, 7,-' 7,' (7.+8, /-' 4.6' 6 * '$5'S '),62L' 7,' *++/8,+ =' -,5 *,<2' ' ' & '' < ;' ' ' '' ' 7,' *+0,-,+8,' /' 3,' <,<$8,< 0-/1' 6/' 6*?+*0*8.+' .' 0.82' * ' 4.6' /0' 8/$-6,' *15/6G 6*3 ,' / 1*6 .M, T

+/ 7,-' *+8*<,+' /0' .' 6*-+* .-' 8/+<,1+. /-=' 87.-.8 ,-2' .6' -,?.-<6' 7,' (7.+8, /-06' -,.6/+2' *6' -,5/- ,<' /' 7.#,' /88$--,<' .' 7,' 8/6,' /0' /+,' /0' 7,' (.3*+,' (/$+8*' 6' 47*872' .' 7*6' 5,-*/<2' * ' 4.6' 0/$+<' -,@$*6* ,' /' 7/ <' .' F*+<6/-' ' 7,' 8/6,' /0' 7,' <*68$66*/+62' 7,' -,65,8*#,' &*+*6 ,-62' 4* 7' 7,' ,N8,5 */+' /0' 7$- /42' 7.< 3,,+' 5-,6,+ ,< 4* 7' 7,*-' 7.62' 3$' 7.' /0' 7,' (7.+8, /-' 4.6' +/47,-,' /' 3,' <*68/#,-,<' +' 7,' 1*<6' /0' 7,' .4M4.-<+,66' .+< <, .=' 8/+6,@$,+' /+' 7*6' -*0 *+?' 8*-8$16 .+8,2' /+,' /0' 7,' -/=.' 5.?,6' 8.1,' -$++*+?' HK$ /' 7,' 8/+0$6,< (7.+8, /-' 4* 7

* ,' /6' 7. ' *+' 7*6' 7.+<' &=' /-<2L' 7,' 6.*<2' *+' 7,' 7,.-*+?' /0' 7,' / 7,-' &*+*6 ,-62' ' '0/$+<' *' *+' 7,' 8 /6,' /0' 7*6' /=. ' *?7+,66' 7,' -*+8,' /0' F . ,6 L' ' +' . '5-/3.G 3* * =2' 7*6' 4.6' 0.-' 0-/1' 7.#*+?' 3,,+' 7,' /+ =' /88.6*/+' /+' 47*87' 7,' -*+8,' .+<' 7$- /4' 7.<' 0/$+<' /55/- $G +* *,6' /0' .--.+?*+?' 7,*-' 5 .+6' /-' *+6 .+8,2' .0 ,-' 7,' 3-,.M*+?' $5' /0' 7,' (/$+8*' 47*87' 7.<' 3,,+' 7, <' . ' F*+<6/-' /+' 7,' : 72' 47* ,' 7,' / 7,-' &*+*6 ,-6' 4,-,' /+' 7,*-' 4.=' /' <*+,' .+<' 6 ,,52' .88/-<*+?' /' .?-,,1,+2' . ' ' . ' * 2' 4,' 0*+<' 7,' (7.+8, /-' 1.M*+?' 7*6',68.5,' /' 7,' -*+8,06' .5.- G 1,+ 6E' 47,-,' -,0-C,671,+ 6' 4,-,' 3-/$?7' /' 7*1' .+<' 47,-,' 7,' -*+8,2' 47/' 7.<' 7*16, 0' <*+,<2' 6.' 3=' 7*1' <$-*+?' 3*6' 1,. 0' '$87' 6$65*8*/$6' 5-/8,,<*+?6' 8/$ <' 68.-8, =' 0.*' /' . .-1' 7,' (7.+8, /-06' 8/ ,.?$,62' .+<' .88/-<*+? =2' . ' .+/ 7,-' 1,, *+?' /0' 7,' (.3*+,' 47*87' //M' 5 .8,' *+' /4+*+?06 -,, ' /+' 7,' 72' 6,#,-. ' 7/1,' @$,6 */+6' 4,-,' 5$' /' 7*12' ,#*<,+ =' 0/-' 7,' 5$-5/6,' /0' ,6 *+?' 7*6' ?//< 0.* 7 l' =' /+,' * ' 4.6' .6M,< *0' .+=' /+,' M+,4' 47, 7,-' &-' /N' 7.<' =,' 6,,+' 7,' -*+8,' /0' F . ,62' /-' 7.<' 7, <' .+=' 8/1 1$+*8. */+' 4* 7' 7*1S' =' .+/ 7,-2' 47. 4,-,' &-' /N06' 5-/8,,<*+?6'S 7,' 4* =' .4=,-2' 7/4,#,-2' 4.6' +/' /' 3,' <*68/+8,- ,<' ,' +/' /+ =',N5-,66,< 7,' 1/6' 5,-0,8' *?+/-.+8,' /+' 7,6,' 6$3B,8 62' 3$' 7.<' 7,' ,00-/+ ,-=' /' *+@$*-,' *+'-, $-+'47, 7,-' .+=' /+,' 5-,6,+' M+,4' 7,' 8/ /$-' /0' /N06 8.--*.?,2' /-' 47, 7,-' .+=' /+,' 7.<' 6,,+' * ' /+' 7,' -/.<' /' F*+<6/-'$A'),2' .6' F* *.1' --,+#* ,' 4-* ,6' /+' 7,' 0/ /4*+?' <.T=Y ' '*6' $+@$,6 */+.3 =' -$,' 7.' 7,' 7.6' 6,,+' /N2' .+<' ' 3, *,#,' 7,' 7.6' . 6/' 6,,+' '7,-*<.+' -,5,. G ,< =2' .+<' 8,- .*+ =' 7,' -*+8,' /0' F . ,62' .+<' /0' . ' 7,6,' 8/+#,-6. */+6' 7,' 7.6' +,#,-' =, ' 8/1 1$+*8. ,<' /+,' 4/-<' /' .+=' / 7,-' 1,13,-' /0' 7,' (.3*+, L'[' 7.' 7,' 5$3 *8' 4,-,

l' (./' *;+6,%%3#' "<,#(0'-)('')*1:,R(.#'<(%'<'+'L ' *.%' -*1)(+,3#' "0,'(0' "--'<(%'"'+'! ?' =)(.,'-)('*1,:/(-,'"#' .,%*-,/' (1'-),')"2)' *8-)(."-7' (0'-),' %*-,' "2)-' (1')(;*# .,1<"%%,
-' (#,3#' "*.",#'<(%'"'+' ' 6"/'++' '
2' 8:@"12)*;' *+,.#'<(%'"'+' !

+/ . /?, 7,- $+6$65*8*/$6 *+ -,?.-< /7,+. $-,/0 *,
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/0 7,<.= 47*87 -,5-,6,+ 6 7*1 .M*+?/00 7*6 8/. .+<
$-+*+? * *+6*<,/$,N8 .*1*+? .6 7,</,6 6/Y +,6*<,
4* </.6 4, .6 .+/ 7,-L

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7,0$ 5/4,-/0 6, ,8 *+? 7*6 /4+ &*+*6 ,-6 3$ 4* 7G
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4* 7 6/1, 6,#,-,-,6 -*8 */+6 *+ -,?.-< < . *,+. *+? 7,
+?06 5-/5,- = 47, 7,- 8#* /- 5,-6/+. /- ?-.+ *+?
5,+6*/+6 /- 5 .8,6 *+ -,#,-6*/+ 7,6, *1* . */+6 .6 &-
* .0 ,-4 .-<6 ,N5 .*+,< *+ .-*.1,+ 4,-, 0-.1,< /+
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,#,+ $+7.55* = +/ ,+6$, * 4/$ < 7,+ 7, 6.*< 7, 0/-
.-*.1,+ *+ * 6 4*6</1 /<,8*<,/+ 7,8.*16/0 7,7,*-
.55.-,+ /3, *+#,6 ,< 4* 7 $+-,6 -*8 ,< M*+? = 5/4,-6
/ 7, Q$,,+ 7, &*+*6 ,-06 5-/5/6* */+ /*+#,6 7,-
4* 7 7, 1.+.?,1,+ /0 7, -/=. 5,-6/+R.+< 7/$6,7/ <

1$6 7.#, .00/-<, $+@$. *0*, 6. *60.8 */+ *6 -,66*+? .6 67, 4, M+, 4 7. * * 1$6 5-/#, / 7, *+?* *+ 7, ,#,+ /0 7*6 -,8/#,-= /0*+< 7*6 0.#/$-* , &*+*6 ,-6 <*6G 5 .8,< 0/- 6 . ,61,+ 47/ #,-, 5,-6/+. = /3+/N*/$6 /7*1 =, 6 * 1/-, 3* ,- 4,-, *M, = /3, 7*6 0,, *+?6 . 1*6 6*$? 7, 0. 1* *.- 0.8,6 /0 7*6 .00,8 */+. , @$,--*,6 .+< 0-//16 /0 7, ,<87.13,-Y . 0*+<*+? . (/ /+, .+?,- 6$36 * $, 0/- . (/ /+, / <64/- 7= .+< . A.8M .=+, 0/- . (/ /+, *?3= & /-,/#,- +/ /+, M+, 4 3, ,- 7.+ 7, Q$,,+ 7. . += 8 /0 7, ,?*6 . *HC, 8/+0,--*+? 0$ -,?. 5/4,-6 /+ 7,- , <,6 6/+ 4/$ < 3, #*- $. = .+ 8 0/- <, 7-/+*+? 7,- 8/+6/- 7, *+?* 7*16, 0 *+<, ,< .66,- , < .0 ,- 7*6 -,6 /-. */+ /-,.6/+ 7. 7, 67/$ < 7.#, -,?.-<, < 6$87 .5-/8, ,<*+? /+ 7, 5.- /0 7, ,?*6 . $-, .6 ,@$*#. ,+ /. .6 . $, /0 $+.8= .+< 7.#, <,8 *+, < /-,6$1, 7, M*+? = .$ 7/-* = +/ 7,- 8/+6/ . */+ 47*87 7, Q$,,+ <,-*#, < 0-/1 3,*+? ,0 7, 1*6 -,66 /0 7,- 7$63.+<06 5. .8,6 4,-, 7, 1 , .+6 47*87 * .00/-<, < 7,- /0 1 .*+ .*+*+? 7. /-<,- .+< <,8/-$1 . 7*6 (/$- 47*87 *0 7, 8/+ -/ /0 7, -/=. 7/$6,7/ < 7.< 3, ,+ . / #, < /<,#/ #, $5/+ 7*6 6/+ 8/$ < 68.-8, = 3, ,N5,8 , < /-, 1.*+ 0/- .+= ,+? 7 /0 *1, ,* 7,- -,65,8 .3 , /- -,6BE,8 , < 7, 5. .8,L 4-* ,6 /-< &.8.$.= 47*87 7.< +/4 3, ,+ <$-*+? 7*- = =, .-6 7, 5. ,-1+0 .+ +? *67 7/1, 4/$ < 3, . 5$3 *8 +$*6.+8, Y . 687// /0 5-/0 *?.8= 7, <-.4*+?0-//1 0-/1 47*87 7, 0-/4+ /0 7, Q$,,+ 7.< -,5, , < . 47/ , ?,+,-. */+ /0 0-.* 3, .$ *, 6 4/$ < +/4 3, .?.*+ 47. * * 7.< 3, ,+ *+ 7, <.=6 /0 .-3.-. 1,- .+< /$*6. <, Q$,-/$.* , L E

C %8:@ /(=1 ;7 (00":,.#? 6.,*@ ;7 /,:.,,#?
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8/'-(' -), 12%"#)' :(8.-' *##, ;6%, ' 1(=
.(;', <,.7 .,2"(1' *+,# (0"/%,1,##' D
: E g ' *.- ' *:-' U' #:,1,' U

"0,' (0 "-- ' "(2.*+)",#' ++' ' !

’ *+ ’ ’ ’ ’ !

(’ %)

(1-,#-’ 6,-=,,1’ "--’ 11/’ (>’(1’-),’ ,2,1:7’ A8,#-"(1’ 4’ (>3# ; "#-*@,’ "1’ :%*" ; "12’ -),’ 02,1:7’0(.’-),’ ."1:,’ *#’ *’ 4),."/*13#-).,*-’ 4’)8.%(=’ .,-.*:-#’)"# *+(#-1(7&)"# 2.*1/’ :%" ; *>’ 4’ (1/8:-’ (0’-),’ ."1:,’ *1/’-),’ 8@,’ (0’ (.@’ 4 &)8.%(=’ *1/’ "--’ */ ;"--,/’-(’-),’ "12&#+.,#,1:, 4 , ; (<*% (0’-),’ (7*% * ; "%7’ 0.(;’ E"1/#(.’ 4’ */7’ *.:(8.-3# *::(81-’ (0’-),’ :.8,% -.,*-; ,1-’ (0’-),’ "12’ *-’ :=’ 4’),’ +*2,’ .1#-’ 4’ ++("1-; ,1-’ (0’ .’ E "%%"# 4 "# #*128"1,’)(+,# (0’ -),’ "123# .,:(<,.7’ 4’)*12,#-),’-.,*-; ,1-’ (0’-),’ "12’ 4’ :-# (1’-),’ "123# #,1#,’(0’)"# .,%"2"(8# /8-",# 4 % "12’ ,*.’3 4’),’ H8,,1’*/ ;"--,/’-(’(1’"1-,.<",=’ 4 %8:-8*-"(1# "1’-),’ "123# ; *%*/7

m n

’ 1,1/-.3,’ 8/+ ,6’*+’ 7,’ /$6,’ /0’ (/11/+6’ 3, 4,,+’ * ’ .+<’ /N’ /+’ 7,’ 6$3B,8’ /0’ 3,’ ,?,+8=’ 1.=’ 3,’ 6.*<’ /’ 3.#,’ 8/11,+8,<’ /+’ 3,’ 3’ /0’ ,8,13,-’ F-.N. Y0/-’ 1.+=’ =,.-6’.’ 8$-*/$6’.+<’*+ , *?,+’ 1,13,-’ /0’ 3,’ /$6,’ /0’ (/11/+60 Y<,68-*3,6’ 3,’ 4/’ 1/+ 76’ 43*83’ 0/ /4,<’ .6’ .’ 5,-*/<’ /0’ ’?-. ,-’ .?* . */+2’ #*/ ,+8,2’ .+<’ .+*1/6* =2L’ 3.+’ .+=’ / 7,-’ 7,’ -,1,13,-,<’ /N’ 4.6’ * Y6/’ * ’ 7.2’ .’ 3,’ .66,13*+?’ /0’ .-*.1,+’ /+’ 3,’ _ 32’ +/’ /+ =’<*<’ 3*6’. ,-,<’ .55,.-.+8,’,N8* ,’?,+,-.’ /36,-#. */+20C 3$’ /+’ .’#,-=’*15/- .+’<.=2’ 3,’ ; 32’ 3,’ 4.6’ 8/15, ,<’ /’ .36,+’ 7*16,0’. /?, 7,-’ ,#,-7, ,66’ 3,’ 5-,5.-,<’ /’</’ 3. ,’ 0/-’ 3*6’ 5.-=’ /’ 3,’ .6

3,’ -$,’ +. $-,’ 2/0’ 3,’ *15,+<*+?’ 8/+ ,6’ 4.62’ 3=’ 7*6’ *1,2’ 5,-0,8 =’ 4, ’ $+<,-6 //<’ 3=’ . ’ 5.-*,6’ *+’ 3,’ /$6,’ R /0’ (/11/+6’ 88/-<*+? =2’ 47,+’ * ’ -/6,’ /’ 6$31*’ 7.

(#-)8; (8# , ; (".#’<(%’ """’ +’ -’ C 1,<,. D’ =."-,# E.*>*R’ C #*=’ (>’,"-),.’ +.,<"(8#%7’ (.’ #86#,A8,1-%7’ ,>)"6"-’ #(’6.(@,1’*1/’#)*--,.,/’*1’*#+,:-’ "#6(/7’#,,;,/’-(’6,’,;*:"*-,/’)"#’:(81-,1*1:,’ #*%%(=’*1/’#":@%7’)"#,7,# #=(%%,1’? =)"%,’)"#-(:@"12#)812’*6(8-’)"# %,2#’*1/’),’ .*-),.’/.*22,/’)"; #,%0’*%(12’-)*1’=*%@,/’8+’-),’0%((.’-(’-*@,’)"# #,1-’),’*--,1/G *1:,’*# ; "2)-’6,’:#+,:-,"%’ =*# 18; ,.(8# *1/’-8; 8%-8(8# D4 3/ 3’ ; / ’ <(%’ """’ +’ 9

.' (/ 1 1* , ,' 3,' .5* /*+ ,< 0/-' 7,' 5$-5/6,' /0' 6, .-87*+?' 0/-' 5-,8,<,+ 6Z' 67/ 4*+?' 7,' 1 .++,-' *+' 47*87' 7,' 6/#,-,*?+' .$ 7/-* =' 7.< 3, ,+' ,N,-8*6,< *+' 0/-1 ,-' 8.6,6' /0' * 6' 7.#*+?' 3, ,+' '*+ ,--$5 ,< 3=' 6*8M+,66Z' *+0.+8=Z' /-' *+0*-1* =2L' /N' . ' /+8,' . .8M,< 7,' 5-/5/6* */+' .6' 3,*+?' .' <*-,8' *+#.6*/+' /0' 47. ' 7,' 5-/+/$+8,< /' 3,' 7`' ,?* *1 . ,' -*?7 6' /0' 7,' 7,*-' /' 7,' 7-/+, ' /-' 47. ' $6,0$' 5$-5/6,Z' 7,' .6M,<Z' <*<' 7,' &*+*6 ,-' 5-/5/6,' /' 6, .-87' 0/-' 5-,8,<,+ 6'S +< 47. ' 4,-,' 7,=' ?/*+?' /' 6, .-87' 0/-'S / ' 0/-' .- *.G 1 ,+ .-=' 5-,8,<,+ 6Y +/ ' 0/-' 5-,8,<,+ 6' *+' 7,' A/$-+. 6' /0' 7,' /$6,' /0' (/ 1 1/+6Y 7$ ' 0/-' 5-,8,<,+ 6' *+' 7,' *6 /-=' /0' +? .+<Z' ' 4.6' +/ /-*/$6' 7. ' +/' 6$87' 5-,8,<,+ ' ,N*6 ,<' 7,' 6, .-87Z' 7,' 6.*<Z' 4 /$ < /+ =' /88.6*/+' <, .E' . ' .' 8-*6*6' 47,+' 7,' ,N*?,+8=' /0' 7,' 7/$-' <,1 .+<,<' 7. ' +/ ' .' 1 / 1 ,+ ' 67/$ <' 7,' /6

.<' /N' 8/+ ,+*,<' 7*16, 0' 4* 7' $6*+?' +/' 6 -/+?,-' .+?$.?,' 7.+' 7*6Z' 7*6' -*#. ' 1*?7 ' 7.#,' 1*66,< 7,' 6*?+. ' -*$157' 47*87' 7,' 4.6' <,6 *+,<' /' .87*,#, ' H+0/- $G +. , =Z' 7/4,#,-Z' 7,' 7.<' .</5 ,<' 7,' $+8/+6 * $ */+. ' /5*+*/+6' /0' /-<' /$?73/-/$?7Z' .+<' 4.6' $+4*6,' ,+/$?7' /' <, *#,-' 7,1' *+' 7,' /$6, ' 7,-,' 4.6' .' -,1,<#Z' 7,' 6.*<Z' *1 1,<*. , =' . ' 7.+<' 7,-,' 4.6' .' 5,-6/+' *+' 7,' M*+?</ 1Z' .+' 7,*-' .55.-,+ Z' /0' 0$ ' .?,' .+<' 8.5.8* =' /' ,N,-8*6,' 7,' /=. ' 5/4,-' +' 7*6' 0*-1' /5*+*/+Z' 7*6' /=. ' *?7+,66' 7,' -*+8,' /0' F. ,6' 7.< .6' 8 ,-' .+<' ,N5-,66' .' ' /' .66$1,' 7,' -,*+6' /0' ?/#,-+1 ,+ Z' .+<' /' .M,' $5/+' 7*1' 7,' 6/#,-,*?+' .$ 7/-* =' <$-*+?' 7,' 8/+ *+$.+8,' /0' 7,' *+?0' * +,66Z' .6' *0' *6' &.B,6 =' 7.< 6$00,-,<' .'+. $-. ' <,1*6, ' '$87' .+?$.?,' .6' 7*6' +/ ' /+ =' /00,+<,< /N6' /55/+,+ 6Z' 3$ ' ,#,+' 6/1,' /0' 7*6' 0-*,+<6' * ' 6.4' *+6 .+ =' 7,' .<#.+ .?,' 47*87' 7,' 7.< ?.*+,<' ' .55*+?' 7*6' 7*?7' ,+,-?, *8. =' 4* 7' 7*6' 7.+<6Z' 7,' ,NG 8 .*1,<' /' .' 0-*,+<' 47/' 6. ' +,N' 7*1' /+' 7,' -,.6$-=' ,+87Y C ' 8 ' 7,'?,+ ,1.+' 0/-' 7,' ,6' /0' 7*6'

,6 *1 . */+ 6 5.66,< **,? . ,-= /4-* , 7*6 &.-@$*6 /0 /4+67,+<8.$?7 1=.*1 .+<6.*<Y ? /-*/$60, /42 3=0000002) /$+?T *665,,87*6 7. /0.+ .+?, TLC 4.6<$-*+? 7, <,3. ,6 /+ 7, 9 7 7. '7,-*<.+ 4.6?+* = /0.+ *+<*68-, */+ . 1/6 ,@$. / 7. 47*87 /N7.<8/11* ,< 0 ,- /N66-,8.+ . */+ 4.6 /#,-2L 4-* ,6 F* *.1 -,+#* , 7, <.= 4.6 8 /6,< 3=6$87 . 3 $+<,- /0 '7,-*<.+66 .6 +,#,- 1,4 .+= 1.+ /0 7, 1,.+,6 . ,+ 6?$* = /0 3,0/-, $-*+? 7, 47/ , *1, 7. 7.#, 6. *+ .-*.1,+2 *+5-, = 4.-1 *1,62 +,#,- -,1,13,-6$87 .+ $5-/.- .6 4.6 -.*6,< 3= 7*6 7-,. ,+*+? $6 4* 7 7, <.+?,- /0 5-/#/M*+? 7, -*+8, / .66,- 7*6 -*?7 2 47*87 4,-, 7, ,N.8 4/-<6 7, $6,< L0

+/ 7,- 8*-8$16 .+8, 0.#/$-.3 , / * . 7*6 *1,2 4.6 7, 6$<<,+ -, $-+ /0 7, /-< (7.+8, /- / 7*6 . ,G ?*.+8,2 . 6 ,5 47*87 7.6 3,,+ . -*3$,<2 47, 7,- -*?7 = /-+/2 / 7*6 7.#*+? -,8,*#,< 6,8-, *+0/-1 . */+ 0-/1 /+, /0 7, -/=. 57=6*8*.+6 - <<*+? /+2 7. . 0.#/$-G .3 , 87.+?, 7.< .M,+ 5 .8, *+ 7, *+?06 <*6/-<,- 2 7, 0*-6 , ,#*<,+8, 47*87 7, ,N7*3* ,< /0 <,0,8 */+ 0-/1 7*6 +,4 0-*,+<6 /88$--,< <$-*+? . 8.$ */$6 .+< -*1 1*+? 65,,87 47*87 7, <, *#,-,< *+ 7, /$6, /0 /-<6 /+ 7, 9 7 7, (7.+8, /-2L 4-* ,6 /-< $M, ,=2 /5,+,< ,+/$?7 /0 7*6 6,+ *1,+ 6 / 67/4 7. 7, 1,.+6 / 6 .+< 3= 7*6 8/ ,.?$,6 *665,,87 4.6 +/ /+?2 3$ /+, /0 7, 0*+,6 ,#,- 7,.-<2 .+< 1.<, 6/ 6 -/+? .+ *15-,66*/+ 7. 4, ?.#, 7*1 . 1,--= , .-T 7, .-TC 47*872 =/$M+/42 *6 +/ #,-= 0-,@$,+ *+ 7, /$6, /0 /-<6 L[

$ * 4.6 /+ 7, 9W 7 7. 7, 7, /$6, /0 ,,-6 4*G +,66,< 7, ?-.+<8*1.N /0 7$- /406-,.6/+ .+<,00-/+ ,-= +<7. <.=2 *+ 8/+6,@$,+8, /0 * 6 3,*+? M+/4+ 7. 7,

I 8:@"12)*; *+,.#<(%""+L
-6"/ ,,*%#(8.% "#-<(% :(% !
 *;+6,%%3# "<,#(0-),)*1:,%%(.#<(%"9+ L
Z 8:@"12)*; *+,.#<(%""+L

<0000 &* 0*-6 TL /-?, =/$SL 6.*<0 $-M, 47=2 *06 7,3,6 7*+?7. 8.+7.B/5,+ /=/$TL 0 $ *0 7, 8/+<$8 /0 7, (7.+8, /-2 .0 7*6 *1,2 4.6 <*68%,<* .3, /7*12 0.-4/-6, .55,.-6 /E 7.#, 3,,+ 7, 3,7.#*/$- /0 7, -*+8, /0 F. ,6 .+< /0 7, $M, /0)/-M 7, #,-= *1, 47,+ 7,= 1*?7 7.#, 3,,+ ,N5,8 ,< /8/15/- 7,16,#,6 . ,.6 4*7 /$ 4.-< <,8,+8= Y. .*1, 47,+ 7,*-0.7,- .=5-/6G -. ,<3= 7, 1/6 .40$ 8. .1* =47*87 8.1 3,0. 7$1.+ +. $-,2 .+< 47* , 7, 7/1, /00 7,*- 1/7,- .+< 6*6 ,-6 4.6 . 7/1, /0 <,6/ . */+ .0 < 6/--/I#YE4, 0*+< 7,*- 8/+<$8 6* 1.-M,< 3= 7. $+<*6?$*6,<2 *3,-*+*6122 .+<#0.55.-,+ =,+ *-, 4.+ /0 5-/5,-2 0,, *+?2 #7*87 7.< . -,.<=/88.6*/+,< 6/ 1$87 ?-*,0 .+< . .-1 / 7, 4, 0 4*67,06 /0 7, /$6, /02 -$+6004*8M 7, 3,7.#*/$- /0 7,0 4/ -*+8,62L 4-* ,6 F* *.10 -,+#* ,2*6 6$872 .6 /67/8M ,#,-=1.+06 0,, *+?6 L C +< .?.*+ 7, 4-* ,6 / /-< $8M*+?7.1Y 0 4, E04+-, /?, 7,-2 8//*< , =/** 6/1, 5.-*8$.-6 /0 7, -*+8, /0 F. ,606 3,7.#*/$- E/4.-<6 7, *+?7 .+< Q$,,+ 4*7*+ 7,6, 0,4 <.=62 7. 4/$ <1.M, =/$-3*5/< -$+ 8/ <L 7, -*+8,62L 4-* ,6 /-< $M, ,=2 ?/ /+ *+ 7,*- 6. 6 =,2 3/ 7 M, ,5*+?7 /5,+07/$6,62+2+< ,15 /=*+?7 5#,-=1,.+6 *+ 7,*- 5/4,-0 /?.*+ 5-/6, =,62 . ,+<*+?7 7, ,,06 ,.M ($32 -,,G 1.6/+ &,, *+?62 U8LY 7, $M, /0)/-M +,#,-1*66,6 . +*?7 . -//M6062 47,-, 7, 7.4M6 5 $8M 7*6 0,. 7,-6 $+1,-8*0$ =2 .+< 7.#, -,<$8,<7*1 /7, #/4, 6 * / $0A 7, -*+8, *M,04*6, . ,+<6 #,-= /0 ,+2 .+< 7.6 .M,+ M*+< = /5V.=LA +/+, , ,-/0 7, <.= <-*+M*+?7.+< 6*+?*+?7L.-, 1,+ */+,< .6 7, 65,8*0*86L /0 7, -*+8,06

I *.% -*1)(+,3# "0,(0 "--<(%"" +-L
-1%7,"2)-,,1 ;(1-)#)(/,%*+#,/#"1:,-),8@,3# .,-8.1 0.(1% ,.;*17 7,- "1*%,--,./*-,/-),-)(0 ,6.8*.7 =,0"1/-),.:)6"#)(+(0 *1-,.68.7 .,+.,#,1-"12)";-( )*<,"1:8..,/ /,6-# -(-),*;(81-(0 1(-%,## -)*1 D4 23 4 & <(%"" +- "8:@"12)*;*+,.#<(%"" ++!

6/--/4I ' 4 ** ,' **N .+/ 7,-' 7,' *6' 65/M,+' /0' .6' 3,*+?'
#,-=0 <-++MC 7,' / 7,-' +*?7 L ' / ' ,66' *+<,8,+ ' 7.+'
7,' -*+8,06' $+0,, *+?' *3,- *+*61' 4.6' 7,' 1.++,-' *+'
47*872 7=' 5,-6/+.' *15/- $+* =' .+<' 8.+#.662 7,' ,+<,.G
#/$-,<' /'/3 .*+' 5-/6, = ,62L' 0/-' 7a' 5$-5/6,' /0' /55/6*+?'
7,' M+/4+' 4*67,6' .+<' $+<,-1*+*+?' 7,' </-1.+' .$ 7/G
-* =' /0' 7*6'7, 5 ,66' 5.-,+ ' ' /-<' /+6<. ,06' 5,/5 ,2L'
4-* ,6' F* *.1' -,+#* ,2 4,-,' .?.*+6' $6' *+' 8/+6,G
@$,+8,2 /0'.' , ,-' 4-* ,+' 3=' 7,' -*+8,' /0' F. ,6' 7*10'
D6,02 6/ *8* *+?' * ' .6' .' 5,-6/+.' 0.#/$-L' /-<' A $M, ,='
.6/65,.M6' /0' 7,' /B5`+' .+E' $+<*6?$*6,<' 8.+#.66,6' 8.--*,<'
/+' 3=' 7,' -*+8,' .+<' 7,' $M,' /0')/-MOV'A'.+<',#,+' /N'
7*16,0'6,,16' /'0.<1*' 7.' 7*6'0-*,+<2 7,' -*+8,2 7.<'
.*<' 7*16,0' /5a+l' /2 7,' 87.-?,' /0' ?-.65*+?L'0. //'
1$87'5/4,-' C

+' 7,' B+,.+ **+,2 .M*+?' *+ /' 8/+6*<,-. */+' 7,' <,,5'
.00,8*/+' .+<' 1.-M,<' 5.-*. * =' 47*87' 7,' *+?' 7.<' ,#,-'
1.+*0,. ,<' 0/-' 7,' $M,' /0' /-ME' 7,' 8/+<$8' /0'7*6' /=.'
*?7+,66' 4/$<' 6,,1' /'3,' ,66' <,0,+6*3 ,' ,= 7' 7.+' 7.'
/0' 7*6' , <,-' 3-/ 7,-' 7,' 0.8' *6' .' 5.*+0$' /+,' /'-, . ,0'
7.' /+' 7,' _ 7' /0' ,8,13,-Y 7,' <.=' /+' 47*87' .-*.1,+'
-,.66,13 ,<2 .+<' 47,+' 7,' *+?06' 1. .<=' 4.6' .' *6' 4?-6'
Y 7,?-.8, ,66'=/$ 7'+/' /+ ='7, <.' 1,, *+?' /0' 7,' 55/0'
6**5+' .' 7*6' /4+' 7/$6,2 3$' .0 ,-4.-<6' 5-/8,,<,<' /' 7,'
/$6,' /0' /-<62 *+' /-<,-' /' 7,.-' 7,' <,5/6**/+6' /0' 7,'
-/=.' 57=6*8*.+6' -,.<2 .+<' /' *6 ,+' /' 7,'5.*+0$'<, .*6' /0'
7*6'0. 7,-06' $+.8=0[&/-,/#,-2 7,'6.1,',#,+*+?'4,' -.8M'
3/7' 7,' 3-/7,-6' /' -//M606'47,-,2 *+' .' 8*-8 ,' /0' 3//+'
8/15.+*/+6C.6'*--,#,-,+' .62 7,16,#,62 7,=' .-,' 6.*<' /'
7.#,' 3,,+'*+' 7,'7.3*' /0'*+<$?*+?'*+' 7,' 1/6'67/8M*+?'
+<,8,+8,62 /0' 47*87' 7,' *+?06' <,-.+?,1,+' 4.6' 7,'
/5*8' +' 6$87' /88.6*/+62 4,' .-,' / <2 +/' /+ =' <*<' 7,='
$-+' 7,*-' 5.-,+ 6' *+ /' -*<*8$,2 .+<' 3.3' 7,' 6,8-,6' /0

8:@"12)*;' *+,.#'<(%'""'+' L' -' 8:@%*1/' (..,#+(1/,1:,'<(%'""'+' '
-' 8:@"12)*;' *+,.#'<(%'""'+'B ' Z' 6"/'<(%'""'+'!

5 , .6$-,I .$< 7/$?7 &6 8/+#,-6. */+ *+8,66.+ =2 4.+00
<,-,< 0-/1 /+, /5*8 /.+/ 7,-2 =, * 4.6 -,1.-M.3 ,
7. 7,0,1,-q3,-,< .+< -,#,- ,< /6$3B,8 6 47*87 7,=
7.< <*68$66,< <$-*+?7,*- .6 *+ ,-#*,42 5-,#*/$6 = /
7*6 * +,66

7, (.3*+, (/$+8*2 7, < . F*+<6/- /+ 7, ; 72 7.<
3,,+6$1 1/+,<20/-.65,8*0*85$-5/6, 7, 57=6*8*.+6 7.<
+/ /+ =-,1/+6 -. ,< 7. 7, <*6 .+8, /0 F*+<6/-0-/1
/+</+ /88.6*/+,< 7,1 ?-,. 5,-6/+. 0 +8/+#,+*,+8,2
3$ 7,=. 6/ 12?,< 7. ,N,-8*6, *+ 7, /5,+ .*- 4.6
,66,+*. =+,8,66.-=*+ 7, *+?06 6 . ,2 .+< .6 7,-, 4.6
+/ ?.*<,+ . F*+<6/- *+ 47*87 7, 8/$< D4.M 4* 7/$
3,*+? /#,- //M,< ,* 7,-0-/1 7, ,--.8, /-0-/1 7, -//06
/0 7, +,*?73/$-*+? 7/$6,62 7,=5-/5/6,< 7*6 *11,<*. ,
-,1/#. /, 42 '/?-,. 2 7/4,#,-2 4.6 M+/4+ /3,
7, *+?06 <*6 *M, /@$* *+? F*+<6/-Y6/5-/3.3 , <*<*
6,,1 7. 7, 87.+?,8/$< /+ =3, ,00,8 ,<3=-,6/-*+? /
0/-8,Y 7. * 4.6 .55.-,+ =+/ * 7, 57=6*8*.+6 7.<
1.<,/. 7 7. 7, -,1/#. 4.6 .36/ $, =+,8,66.-=2 7.
7,*- .<#*8, 4.6 .</5 ,< 3= 7, (.3*+, 0 7, *+?06
#,-6*/+ /, .#*+? F*+<6/-2 7, Q$,,+ / < &*66 $-+,=2
4.6 ,--*3 , /7*+M /0LA

+ 7, 72 7, <.=0*N,<$5/+0/- 7, *+?06 -,1/#.
/ ,42 . 4.6 8/+0$6*/+ .+< <,65/+<,+8= . F*g<6/-D
'7. , ,#,-2L 4-* ,6 &*66 $-+,=2 0/-?, 7, #.-*,<
,1/*/+6 /0 7*6 <-,.<0$ <.=S -/6, 4*7 7, 7,.#*,6
/0 7,.-62 .+< 0/$+< 1=5//- /=. &*6-,66*+ 7, <,,5,6
<,B,8*/+L /- 7,- /4+ 5.-2 6.*< 7, Q$,,+2 7,- 7,.-
1*6?.#, 7,- 47,+ 67, 7/$?7 /0 7, 5-/3.3 , 8/+6,G
@$,+8,62 3$ 67, 0, * /3, 7,- <$ = /3/4 /7,
/5*+*/+6 /0 7, 57=6*8*.+6 7, <,5.-$-, /0 7, Q$,,+

I (#,3# "*.",#'<("'"'+'
-* /*;,' 3 .)%*7B# "*.7 *1/ ,--,.#'<("'"<'+'!! ' 8:@"12)*;' *+,.#'
"/*'""'+'
?' /*;,' 3 .6%*73# "*.7 *1/ :--,;'<("'"<'+'!U ' I
 ' '

.+< 7,' -*+8,66,6 0-/1' F*+<6/-2 47*87 *' 7.< 3,,+' <,8*<,< 67/$ < 5-,8,<,' 7.' /0 7,' *+?2 5-,6,+ ,< .' 1/6' 1, .+87/ = 65,8 .8 ,' ' ' 3, *,#,2L 4-* ,6 &*66 $-+,=2 *' 4.62 .3/$' ,+' /08 /8M 47,+' 7,-' &.B,6 = <,5.- ,<' -/4+,< *+' ,.-62 67,' ? *<,< . /+?' 7,' 5.66.?,2 .+< ?/' 6/0 = *+ /' 7,-' 8.--*.?,' 4* 7 4/' 4,,5*+?' -*+8,66,6 .+< .<= (/$0 /4+ 2 47/' 4.6 /' 3,' 7,-' .<= *+' F.* *+?' <$-*+?' 7*6 <-,.<0$' -,6*<,+8,' 7,+' 0/ /4,< 7,' 7*-< -*+8,66 4* 7 .<= (7.- / ,' *+87' 7,= 4,+' /00 4* 7/$' .+= 6 . ,' /-' 5.-.<,2 .+< .' 1*/-,' 1, .+87/ = 68,+,' 8.++/' 3,' *1.?*+,<' 7,-,' 4.6 +/' .' <-= ,=,' *+' 7,' 7/$6,' 7,' 0// 1,+2 7,' 7/$6,1.*<62 7,' 5/- ,-2 7,' 6,+ *+, 62 . ' 8-*,<2 ,#,+' 3* ,- =2 .6 7,= //M,< /+

H+7.55* =' *' 4.6 /+ =' 3=' 6 -. .?,1 Y .' +,8,66.-=' 5,-G 7.562 3$' 6 *' .' 1/6' 8-$,' /+, Y 7.' 7,' *+?' 8/$ < 3,' 5-,#.* ,< $5/+' /' -,1/#,' 0-/1' F*+<6/-' ' 7*6 *1,2 7,' -$ *+?' .+< 5.66*/+. ,' <,6*-,' /0 7*6 .00,8 */+. ,' 7,.-' 4.6 /' 3,' . /4,< /' ,13-.8,' 7,' 4*0,' .+< <.$?7 ,-6 0-/1' 47/1' 7,' 7.< 3,,+' 6/' /+?' 6,5.-. ,<2 .+< .88/-<*+? =2 /+' 7,' 0.* 7 /0 .' 6/ ,1+' 5-/1*6,' 7.' 7,= 67/$ < 3,' .<1* ,< /' 7*6 5-,6,+8,' /+' 7*6 .--*#.' . ' ,42 7,' . /4,<7*16, 0 /' 3,' 8/+<$8 ,< /' 7*6 8.--*.?,' .6 @$*, = .6 *0 7,' 7.< 3,,+' .' 87* < ' '*+8,' 7,' <.= 47,+' (7.- ,6 7,' *-6 2 /+' 7*6 4.= /' 7*6 -*.' .+< ,N,8$*/+2 7.< 4,5' /#,-' 7,' 67/$ <,-' /0 7,' * 00. ,< $M,' /0 .1* /+' .' 7,' 0//' /0 7,' 6 ,56 /0 7,' /$+< /4,-2 +/' *+?' /0 +? .+< 7.< @$* ,< F*+<6/-' $+<,-' 1/-,' 1/$-+0$' 8*-8$16 .+8,6' 7,' 6.1,' 6.< </1,6 *8 ?-/$52 7.' 7.< 4.87,< 7,' <,5.- $-,' /0 7,' Q$,,+' 4* 7 4,,5*+?' ,=,62 +/4' 3,66,< .+< 5-.=,< 0/-' 7,' .00 *8 ,< *+?' .6 7,' 5.66,< . /+?' &/-,/#,-2 *+' 7,' (/$- =.-<2 .+< *+' * 6 #*8*+* =2 4,-,' .66,13 ,< +,.- =' 7,' 47/ ,' 5/5$. */+' /0 F*+<6/-2 47/' 4* 7 6* ,+' -,#,G -,+8,' .+< #. ,<*8 */+6 3,7, < 7,' 1, .+87/ = 65,8 .8 , 0

[' */*;,' B .%%173# "*.7 *1/' ,--,.f'<("'"<'++'!U '!U ' 0' Bi/'+'!U

7,' 5,-6/+6' *+' 7,' 8.--*.?,' 4* 7' 7,' *+?' 4,-,' 7*6' .*<,0' <,08.15' ,+,-.' .-8/$-2' .+<' 4/' /0'7*6',@$,--*,6 '0*-62' /+' 7,' -/=.' ,@$*5.?,' ,1,-?*+?'0-/1' $+<,-' 7,' 1.66*#,' ?.,4.=' /0' ,+-=' 7,' *?7 72' 7,' *+?06' 8/$+,+.+8,' 4/-,' .+' ,N5-,66*/+' /0'87,,-0$+,662' 7$2' /+' -,.87*+?' 7,'*-/+'?.,6' /0' 7,' * ,' .-M2' 7,' 8/#,-,<7*6' 0.8,' 4* 7' 7*6'7.+<6' .+<'7$-6'*+ /' ,.-6' ,' 6//+2'7/4G ,#,-2'-,8/#,-,<7*6'8/15/6$-,'I BX/*+,</$'8,-.*+'/3B,86' /0'*+ ,-,6'47*87'7,'5.66,</+'7,'-/.<2'.+<'-,0,--,</' 7,'5,.6$-,'47*87'7,'.+*8*5.,<0-/1'.?.*+',13-.8*+?' 7*6'8/+6/-'.+<'7,-'<.$?7,-6' $2'$+7.55*=2'*+6,.<' /0'3,*+?'.88/-<,<7.'/+?0//M,<00/-'5,.6$-,2'.'3*,-' <*6.55/*+1,+'.4.*,<7*1' 0'.'8/+,15/-.-='.88/$+' *6'/'3,'8-,<*,<2'7,' *+?2'/+'-,.87*+?',42'4.6'$67,-,<' *+/'.'.-?,'.5.-1,+'/'47*87'7,'4.6'$+.88$6/1,<2'.+<' 47,-,'7,'4.6'8/+6*?+,<'/'7,'8.-,'/0'7,'M,,5,-6'47/' 4,*C,'*+'0$$-,'/'3,'7*6'5.?,6' *6'0.*70$',@$,--*,62'4,' .-,'/<2'4*7<-,4'0-/1'7,'5..8,'.88/-<*+?'2/'/-<,-6' 47*87'7,=7.<-,8,*#,<2'.+<',#,+'7,'-/=.'57=6*8*.+6' .*,'6.*<'/'7.#,'.M,+'7,*-'<,5.-$-,'.'+*?7'0/-'/+</+' 88/-<*+?'/'7,'6.1,'.88/$+2'7,' *+?',157.*8.='.+< 5.7,*8.='<,1.+<,<'/'6,,'7*6'0.1*=2'3$2'*+'8-$,' 1/8M,-='/0'7*6'0,,*+?62'*'4.6'/+='7-/$?7'/+,'/0'7,' 4*+</46'7.'7,'4.6'./4,<'/'/3.*+'.'1/1,+.-='?*156,' /0'7,12'.+<'7,+'/+='/0'7*6<.**?7,-6' 3,=*+?2'*'*6'6.*<2' 7,'*15$6,'/0'7,'1/1,+E'7,'-$67,<0/-4.-<'/'7-/4' $5'7,'6.672'47,+2'<*68/#,-*+?2'/'7*6'7,.--,+<*+?'1/-G *0*8.*/+2'7.'*'7.<3,,+'0.6,+,<</4+2'7,'4.6'6,*>,< 4*7'.'"*/,+'5.-/N=612'*+'7,'1*<6'/0'47*87'7,' -*+8,66,6'4,-,'7$--*,<0-/1'7,*-'0.7,-06'5-,6,+8,2'.+< 7,'5//-'*+?'<-.??,<0-/1'7,'4*+</42'$,-*+?'5**.3,' ,+-,.*,6'/'3,'./4,<'/'65,.M'/'7*6'87*<-,+ '$87'*6'7,'.88/$+'47*87'4,'7.#,Y/+'47.'/$?7'/' 3,'8/+6*<,-,<.6'7*?7'.$7/-*=Y/0'7,'-,.1,+'47*87

; 'L X ' ' ' ' ? L

7$13 ,6' /0' 7*6' 0, /408-,. $-,6' 7*6' 1.+2' 47/' 7.<'
3,,+' -.*6,<' 3=' 7,' 5. -/+.?,' /0' *6' &.B,6 =2' -,5.*<' 7,'
M*+<+,66' /0'7*6'-/=.' 1.6 ,-' 4* 7' 7,' 1/6' 3-$.' *+?-. *G
$<,' ,' 4,+' 6/' 0.-' .6' /' 6 -*M,' 7,' 7, 5 ,66' *+?f .+<'
/+2'/+,' /88.6*/+2' 47,+' *6' &.B,6 =' 4*67,<' /' 5-/ -.8' 7*6'
,N,-8*6,' *+' 7,' ?.-<,+6' .' ,42' -+6' 6,*>,<' 7*1' *+'
7*6' .-162' 8.--*,<' 7*1' *+ /' .' 87.13,-2' .+<2' 7-/4*+?' 7*1'
#*/ ,+ =' /+' .' 6/0.2' ,N8 .*1,<' *+' .+' *+6/ ,+' 1.++,-' /'
7,' . ,+<.+ 62' P 7,-,' *6' =/$-' *+?' 0/-' =/$ CL ' ' *6'
0$- 7,-' *+ *1. ,<' 7.' 7,6,' /$ -.?,62' '5,-5, -. ,<' *+' 7,'
6,8 $6*/+' /0' ,42L' 7.55* =' 8,.6,<' /+' -' F* *6' 3,*+?'
8. ,<' *+' .6' /+,' /0' 7,' *+?06' 1,<*8.' . ,+<.+ 62' 47,+'
' 7,' 3-$.' -+6' 4.6' <*61*66,<' . /?, 7,-L'0
7,6,' 0.8 62' .6' 4,' 7.#,' . -,.<=' 6 . ,<2' .-,' -, . ,<' /+'
7*?7' .$ 7/-* = Y 7.' .$ 7/-* =' 3,*+?' *>.3, 7' (/$+ ,66'
.-8/$-2' 47/' 4.6' +/' /+ =' .e .<=' /0' 7,' ,<87.13,-' /'
Q$,,+' (7.- / ,' .+<' 6*6 `-0*+0 .4' /' ,+,-.' .-8/$-2'
47/' .88/15.+*,<' 7,' *+?' /' ,42' 3$' 47/' .6/' *#,<' /+'
,-16' /0'5.- *8$.-' *+ *1.8=' 4* 7' 7,*-' &.B,6 *,6 E' &/-,G
/#,-2' .6' -,?.-<6' 7,' 5.*+0$' ,5*6/<,' /0' 7,' ,-1.+' 5.?,2'
-+6 2' .<=' .-8/$-' ?/,6' 6/' 0.-' .6' /' #/$87' 7. 2' .0 ,-'
7,' *+?06' -,8/#,-=267,'7,.-<' 7,'6 /-=' 0-/1' *6' &.B,6 =06'
/4+' *56 [' ,#,- 7, ,662' 4,' 8.++/' 3$' 7*+E' 7.' 7,6,'
,--*3 ,' <, .* 6' .-,' ?-,. =2' 7/$?7' </$3 ,66' +/' 4* 0$ =2'
,N.??,-. ,<' +' 7,' 0*-6' 5.8,2' 7,6,' 3.-3.-* *,6' .-,' 6 . ,<'
/' 7.#,' 8/11,+8,<' /+' 7,' -,1/#.' /0' 7,' *+?' /' ,4'
' ' ' 4' + , 2' .+<' /' 7.#,' .6 ,<' * ' 7,' 1/+ 7'
/0' ,8,13,-E' '47,+' 7.55* =' -' F* *6' 4.6' 8. ,<' *+2L'f2'
7$6' ,N ,+<*+?' 7,' 5,-*/<' /0' *6' &.B,6 =06' 6$00,-*+?6' /#,-'
6,#,-.' 4,,M6' $' 7,' 0.8' *62' 7.' *+6 ,.<' /0' 7,' *+?'
7.#*+?' 3,,+' -,1/#,<' /' ,4' *+' 7,' 1/+ 7' /0' + , /*'
4.6' +/' * ' 7,' rs]* /0' A , ' 7.' 7*6' -,1/#E' //M

' &.66,=6' *6 /-=' /0' +? .+<2' #/ '***'55' ; 0 ;_' ' 3*<'55' ;_2' W;2' ;:
' .<=' .-8/$-'4/$<',#,+' 6,,1' /' .#,' 3,,+' .+' *+1.,' /0' ,4' . .8,'<$-*+?'
6/1,'5,-*/<' /0' 7,' *+?06' * +,66 Y ',,' 7,' 3 ' ' ' E 3 ' ' 4 // '#/'
N *#' 5' WW' ['&.66,=2'#/ '***'5' ;_'+/ ,' 2' 3*<'55';;_2' ;

;K

5 .8,2 .+< 8/+6,@$,+ =2 .6 -' F* *6 4.6 8. ,< *+' 6/ , .- =' .6 -*<.=2 7,' W 7 /0 ,8,$.3,-2 ' 7,' 5,-*/< *62 /0 8/$-6,2 -,<$8,< /' /+ =' 6*N <.=6' &/-,/#,-2 8/+6*<,-.3 ,' </$3 2 6,,16 /' ,N*6' 47, 7,-' #*/ ,+' 1,.6$-,6 4,-,' -,G 6/- ,< /' ' /6/ /+?' .6 7,' *+?' 4.6 $+<,-' 7,' 87.-?,' /0 7*6 -,?$.-' 57=6*8*.+6I *+' 0.8 2 47, 7,-' -' F* *6 4.6 +/ ' 7*16, 0 7,' 0*-6' /' .<#/8. ,' .+< /' ,15 /=' 7,1' -/1' &*66 $-+,=2 0/-' *+6 .+8,2 4,' ,.-+' 7. 2 $5' /' 7,' <. ,' /0 7,' *+?06 -,1/#.' 0-/1' F*+<6/-2 +/' /+ =' 7.< 7,-,' 5-,#.* ,< .1/+?' 7*6 1,<*8.' . ,+<.+ 6 7,' ?-,. ,6' <*6*+8 *+. */+' /' 5$' .+=' 0/-8,' $5/+' 7*12' ,6' *' 1*?7' 3,' -,6,+ ,< 3=' 7*1' *+' 7,' 8.6,' /0 7*6 -,8/#,-=2 3$' 7. ' '+/' 7$1.+' 3,*+?' <.-,< ,#,+' ' 8/15$ 6*/+ L' ' *6 61. ,6' -,6*6 .+8,2L' 6.*< '*-' $8.6 ,5=62 4/$ < 7.#,' 8. ,< $5 7,' 47/ ,' 8/$+ -=' /' 7*6 0.+8*,< -,68$, L' 0' .<=' .-8/$- 06 0$- 7,-' .88/$+' /0 7,' 8-$,' 6 . ,' /0

' /' 7,'_ 72 +6'6 . ,<' *+' *,' +.--. *#,' ',,' A/$-+. 6' /0 *,' /$6,' /0' (/1 1/+62 #/ 'N *#' 5' ' &.<.1,' -3 .=06 *.-=2 #/ ' *#' 5' W;' /1 *+, 6' *0,' /0' * 2 #/ '**' 5' K;2 -<' ,<* */+2

' &.<.1,' C -3 .=06' *.-=2 #/ ' *#' 55' K2 :22 _ ' #,+' 1/-,' 6 .??,-*+?' .-,' 7,'0/ /4*+?',N -.8 6' 0-/1' 7,'<,5/6* */+6' /0' 7,' -/=.' 57=6*8*.+62 /M,+' 3,0/-,' 7,' (/1 1* ,,' /0' *,' /$6,' /0' (/1 1/+62 0-/1' 7,': 7' /' 7,'9 7' /0' A.+$.-=2 9:; Y

"7 / ' ' '*3 ' &

'N3 Y .#,' $/' 6=15 /16' /0' *--* . */+' *+' *6' &.B,6 =06' 8.6,' 3,,+' 0-,@$,+' 6*+8,' =/$' 4.6' .4',N.1*+,<' 7,-,S' f#*>' /+' 7,' ; 7' /0' ,8,13,-X

< '*3 ' & O 9' 0-,@$,+

P' N Y F 7, 7,-' 7,' 1,.+6' /0' 8/,-8*/+' 7.#,'+/ ' 3,,+' 1/-,' 0-,@$,+ =' -,6/- ,<' /' 6*+8,' *.' 5,-*/<' 7.+' 3,0/-,' S

C' *' Y &/-,' 0-,@$,+ =

C' N Y /4' /+?' 3,0/-,' =/$-' $6' 8N.1*$. */+' 4,-,' *,' 1,.+6' /0' 8/,-8*/+' . ' . ' -,6/- ,<' /' S

< '*' '3,*,#,2 9' ' ' ' ?' '.1' +/' 6$-,L

"7 / ' ' '+ ' O ' ' '

'Q 'F 7,+' <*<' =/$' r0*-6' 3,?*+' 7,' 1/<,' /0' 8/,-8*/+' S

'0 ' -' -,. =' </+C' M+/4' 7,' 5.-*8$.-' <.=

'fS Y F 7, 7,-' 1,.+6' /0' 6 * /+?,-' 8/,-8*/+' 7.#,' +/ ' 3,,+' $6,<' 6*+8,' =/$-' .6',N.1*G +. */+' 7.+' 3,0/-,' S

<0 ' Y (,-.*+ =2 .' 1/-,' 0**1' 8/,-8*/+2 3$' +/ ' 6/' ,.6*+?' /' 7,' 5. *,+ L

"7 / ' ' 0 ' ; '

'Q Y .6'.+=' -. */+.' 1/<,' /0' 8/+ -/' /-' 8/,-8*/+' 3,,+' /1* ,<S

P' 0 ' Y /' 7.' ' M+/4' /02 6*+8,' *6' &.B,6 =' .$+,' /' ,4 LY 3 ' '

'E 3 ' '4 / / '#/ 'N *#' 55' _ 2 W 2 K:2

'0$-7,-' .55,.-6' 7.' 6 -*8' 8/,-8*/+L' 4.6'+/ ' -,6/- ,<' /' * ' /+' /-' .3/$' 7,' 9 7' /0' ,8,13,-2 #*>' ' 7,'8. *+?' *+' /0' -' F* *6 Y 08 '#/ 'N *#' 55' :W2 ;

*6/ . */+‘ *+‘ 47*87‘ 7,‘ *+?‘ 0/$+<‘ 7*16, 0‘ . ‘ ,4 Y /0‘ 7,‘ 4* 7<-. 4 . ‘ /0‘ 7*6‘ 0.* 70$‘ @$,--*,62‘ 7,‘ 7$--*,<‘ <,5.- $-,‘ /0‘ 7,‘ 57=6*8*.+62‘ .+<‘ 7,‘ 8/+6*?+1 ,+‘ /0‘ 7*6‘ 5,-6/+‘ /‘ 1,-,‘ 5.?,6‘ .+<‘ M,,5,-6 Y 1$6‘ . 6/‘ 7,‘ -,8,*#,<‘ 4* 7‘ 6/1,‘ @$.70*8. */+‘ ' /‘ 0.-2‘ *+<, ,<2‘ 0-/1‘ 7,‘ *+?‘ 7.#*+?‘ 3,,+‘ 6/‘ $,- =‘ <,6,- ,<‘ .6‘ 6 . ,<‘ 3=‘ 7. ‘ .<=2‘ 4,‘ 7.#,‘ ,#*<,+8,‘ +/ ‘ /+ =‘ 7. ‘ .‘ 57=6*8*.+2‘ .6‘ 4, ‘ .6‘ ,* 7,-‘ .‘ 6$-?,/+‘ /-‘ .+‘ .5/ 7,8.-=2‘ -,?$.- =‘ 6 ,5‘ *+‘ 7,‘ 5. .8,2‘ 3$‘ 7. ‘ 3/ 7‘ .+‘ @$,--=‘ .+<‘ .‘ -//1‘ /0‘ 7,‘ ,<G 87.13,-‘ 4,-,‘ *+‘ 8/+6 .+‘ . ,+<.+8,

$‘ 7,‘ 1/6‘ 5.*+0$‘ 5.-‘ /0‘ .<=‘ .-8/$- 6‘ +.--. *#,‘ *6‘ </$3 ,66‘ 7,‘ *+6/ ,+‘ .+<‘ 8/4.-< =‘ -,. 1,+‘ 47*87‘ 7,‘ <,0,+8, ,66‘ *+?‘ *6‘ 6.*<‘ /‘ 7.#,‘ ,N5,-*,+8,<‘ *+‘ ,4‘ .-<,+6‘ . ‘ 7,‘ 7.+<6‘ /0‘ 7*6‘ ,-1.+‘ 5.?,‘ -+6 ‘ F ,‘ 1$6‘ . ‘ /+8,‘ 8/+0,66‘ 7. ‘ 4,‘ <*68-,<*‘ 7,‘ -$ 7‘ /0‘ 7*6‘ 6*+?$.- =‘ 5.*+0$‘ 6 /-=‘ +‘ 7,‘ 0*-6‘ 5 .8,2‘ 7,‘ /$ G -.?,‘ *6‘ 6 . ,<‘ /‘ 7.#,‘ 3,,+‘ 5,-5, -. ,<‘ 7 ‘ /‘ -‘ F* *6‘ 7.#*+?‘ 3,,+‘ 8. ,<‘ *+2‘ /+‘ 47/6,‘ .--*#. ‘ 7,‘ ‘3-$. ‘ -+6 ‘L‘ *6‘ 6.*<‘ /‘ 7.#,‘ 3,,+‘ <*61*66,<‘ /42‘ *+.61$87‘ .6‘ 4,‘ 7.#,‘ 7,‘ 1/6‘ *+8/+ ,6 .3 ,‘ ,#*<,+8,‘ 7. ‘ *‘ 4.6‘ +/ ‘ * ‘ 7,‘ 99 7‘ /0‘ ,8,13,-‘ 7. ‘ 7,‘ *+?‘ 0*-6‘ //M‘ ,N,-8*6,‘ *+‘ ,4‘ .-<,+62‘ .+<‘ .6‘ -‘ F* *6‘ 7.< 8,- .*+ =‘ 3,,+‘ 8. ,<‘ *+‘ /+‘ 7,‘ W 72‘ 7*6‘ 5.-‘E 0‘ 7,‘ 6 . ,G 1,+‘ *6‘ ,.6* =‘ 8/+0$,< 0‘ $‘ ,#,+‘ .<1* *+?‘ 7,‘ 5/66*G 3* * =‘ /0‘ -+6‘ 7.#*+?‘ 3,,+‘ 3/ <‘ .+<‘ 3-$. ‘ ,+/$?7‘ /‘ 8/1 1*‘ 6/‘ . -/8*/$6‘ .+‘ .66.$‘ /+‘ 7*6‘ 6/#,-,*?+2‘ *6‘ * ‘ 8-,<*3 ,‘ 7. ‘ 6/‘ $+5.-. , ,<‘ .+‘ /$ -.?,‘ .6‘ 7. ‘ /0‘ .‘ *+?‘ 3,*+?‘ <-.??,<‘ *+ /‘ /+,‘ /0‘ 7*6‘ /4+‘ 5. .8,6‘ 3=‘ /+,‘ /0‘ 7*6‘ /4+‘ 1,+*. 62‘ 67/$ <‘ 7.#,‘ 3,,+‘ 8/1 1* ,<‘ 4* 7/$ ‘ * 6‘ 3,8/1*+?‘ M+/4+‘ ,* 7,-‘ /‘ 7,‘ Q$,,+‘ /-‘ /‘ / 7,-6‘ *+‘ .$ 7/G -* =‘ . ‘ ,42‘ .+<2‘ *0‘ M+/4+2‘ *6‘ * ‘ . ‘ . ‘ 1/-,‘ 8-,<*3 ,‘ 7. ‘ 6/‘ 8-$, 2‘ *+6$ *+?2‘ .+<‘ -,.6/+.3 ,‘ .+‘ .8‘ 67/$ <‘ 7.#,‘ 3,,+‘ ,0‘ $+-,6,+ ,<‘ .+<‘ $+5$+*67,<‘ * ‘ 7,‘ .--*#.

‘ & .<. 1 ,‘ 3 .6@73‘ "*.7‘ .+<‘ , ,-62‘ #/ ‘*#‘ 55‘ _;2‘ W 2‘ W_‘ ‘ ,,‘ . 6/‘ /1 0‘ *$8 6‘ *0,‘ /0‘ * 2‘ #/ ‘ ** ‘ 5‘ 20*+<‘ + / ,f -<‘ ,<* */+

]‘ 6"/‘ +‘ ! ‘ (8.1*%# (0‘ -),‘ (8#,‘ (0‘ (; ; (1#‘ <(%‘ >%"<‘ +‘

3,' .<<,< 7,' 0$- 7,-' 0.8' 7. 2 6/1,' =,.-6 .0 ,-4.-<62 7,' 5,+6*/+' /0' 7,' . ,-' 4.6 *+8-,.6,< /' 9W E

0 ,-' . 2 7,' 6 /-=' /0' -+6 ' 6,,16 /' 3,' 8.5.3 ,' /0' ,.6=' ,N5 .+. */+' ' 4.6 /+,' /0' 7,' 5,8$ *.-* *,6 . ,+<*+?' 7,' *+?06 6$36,@$,+' -,6 /-. */+' /' -,.6/+2 7. 2 0/-' 1.+=' 4,,M6 .0 ,-4.-<62 7,' 0/$+<' * ' *15/66*3 ,' /' 67.M,' /00 7,' 8/+#*8 */+' 7. ' 8,- .*+' 7*+?6 4,-,' +/ ' -,. * *,62 47*872 *+' 0.8 2 7.< 7.< +/' / 7,-' 0/$+<. */+' 7.+' *+' 7*6 /4+' <*6G ,15,-,< 0.+8=f .+< .88/-<*+? =' 1.+=' 5.*+0$ ' 5.- *8$.-6 7. ' 7,' -, . ,< /' .<=' .-8/$- ' 4,-,' *+' . ' 5-/3.3* * =' Y+/ ' 47. ' 3.< -,. =' /88$--,<Y3$ ' 47. ' 7,' 1/-3*< =' *1.?*+,< 7.< .M,+' 5 .8,' ' 67/$ < 3,' 1,+ */+,< 7. ' /' &*66 $-+,=2 .6 4, ' .6 /' .<=' .-8/$- 2 7,' *+?' -,5-,6,+ ,< 7*16, 0' .6 7.#*+?' 3,,+' .*< #*/ ,+ ' 7.+<6 /+' 3=' -+6 2 3$ ' .6 7,' 8/+#,-6. */+' 4* 7' 7,' 0/-1,-' .<=' //M' BX .8,' 47* ,' 7,' *+?06 1*+< 4.6 6 * ' 5.- *. =' <,-.+?,<2 67,' 6,,16 /' 7.#,' . -*3$,< 7*6 8/+#*8 */+' /+' 7,' 6$3B,8 ' /' 47. ' 4,' 8/+8,*#,' /' 7.#,' 3,,+' 7,' -$,' 8.$6, Y.' 1,-,' * $6*/+' /0' 7*6 1. .<= 0' ' 7,' *+?2L' 4-* ,6 /-< </+06 3*/?-.57,-2 <$-*+?' /+,' /0' 7*6 * +,66,6 8/15 .*+,< /' /-< </+2 47/' -, . ,< 7,' 6 /-=' /' &-' .--,-2 7. ' .' 1.+' *+' 7,' ,15 /=' /0' 6/1,' /0' ' 57=6*G 8*.+6 7.< M+/8M,< 7*1' </4+' P F 7,+' ' ?/ ' $5' .?.*+2C .<<,< 7,' *+?2 P ' 6.*< 1=' 0//' 7.< 6 *55,<2 .+< .68-*3,< 1=' 0. ' /' 7. ' ' 4/$ < +/ ' </' 0/-' 1,' /' .<1*' 7. ' 7,' *+?' 7.< 3,,+' M+/8M,< </4+' 3=' .+=' /+, CL'A'

+' 6/1,' -,65,8 6 .<=' .-8/$- 06 ?,+,-.' +.--. *#,' *6 8/--/3/-. ,< 3=' 7. ' /0' &*66 $-+,=2 1/-,' ,65,8*. =' .6 -,?.-<6 7,' 5.*+0$ ' <,8,5 */+' 3=' 47*87' 7,' *+?' 4.6 *+G #,*? ,< 0-/1' F*+<6/-' /' ,4 ' F ,' 0$- 7,-' ,.-+' 0-/1' &*66 $-+,=' 7. ' 7,' Q$,,+' 4.6 7*?7 =' <*65 ,.6,< .

t' =' -/=. ' 4 .--.+ 2 <. ,<' ; 7' $?$6 2 9;99 f -,.6$-=' & ' '
0' & .<.1,' -3 .=6' *. '=' .+<' , ,-62 #/ ' '*# ' 5 ' _ W
' ="##B#' "0,' (0' (./' %/(1'<(%' "' +' U

5-/1*6,6 7.#*+?3,,+ 1.<,*+ 7,-+.1,47*87 7,-,4.6 +/*+ ,+*/+/M,,5*+?

7, .<<**/+/ - F* *6 .+< .0 ,-4.-<6 /7*6 6/+ -A/7+ F* *6 / 7,6 .00/-/=.57=6*8*.+6 5-/#,< / 3, .+ *1B*<- .+ ,-.*+ 7, .++.6 /*6 &.B,6 =6 <*60 ,15,- /8/-Y/--. 7,-7, ,#,-,+<Y -.+8*6 F* *6 ,8/-/'A/7+06 F.55*+?7.< /+? ,+B/=,<.-,5$ .G */+**+ 7,8/$+ =/ *+8/ +0/-7*6 6$88,660$ -,. 1,+ /5,-6/+6 .00*8,< 4*7 1,+.1. .<*,6 *M,1/6 5,-6/+6 47/.87*,#, ?-,. 6$88,66 *+ .5-/0,66*/+0/-47*87 7,=7.#,+/3,,+-,?$.-=,<$8. ,<7,6,,16 /7.#,3,,+ //M,<$5/+.6.1,-,@$.8M 3=6/1,.+<.6.5.-.?/+/*+ , *?,+8,3=/7,-6 7,1,<*8.5-/0,66*/+ +. $-. =-,?.-<,<7*1.6 .+ *+ ,-/5,-I *+<,,<7 /+/+, /88.6*/+**4.6 /+=3=/3.*+*+?.</8/-6<*5/1.0-/1 7,H+*#,-6*=/ N0/-<7.7,.55,.-6 /7.#, ,68.5,< .5-/6,8$*/+ -F* *62L4-* ,6 /-<'7,00*, <7 *6.8 ,-?=1.+.+<M,,BB6.1.<07/$6,*+ *+8/ +67*-, ,*6 8/+6*<,-,<3=6/1,.6+/1$87 3, ,-7.+.1/$+ ,3.+M .+<+/0.-<*00,-,+0C/1 6/1, /7/6,7.-,8/+0*+,< *+7*6 7/$6, L0 7, -873*67/5/(.+ ,-3$-=7/4,#,-7/$?7<*00,-,+ =/7*1 '*+8, -F* *6 /* +G 8/ +67*-,2L4-* ,6 7*6 0-.8,7.6 3,,+8. ,<*+7/$-7/5,7.6 3,,+ 1/-,0*-1.+<8/+6.+7 .+<.7*6 1/1,+6 .+<6 #,-=7*?7 ,7.6 7.<?-,.,N5,-*,+8,*+ 7*6 1.<=0/-,*?7 0.+<0 4,+ ==,.-6 .+<?-,.6$88,66 LT F*7 7,,N8,5*/+/7,-,?$.-57=6*8*.+6 7,*+1.,6 /* ,4 ..8,6,,1 /7.#,3,,+/+,.+<.7*6 +7,/5*+*/+/(/ /+, *?3=7,=4,-,0*+,7 *#, =7 +. $-.7 *+<,G 5,+<,+87.-.8 ,-6LY5-.*6,47*87 4,0*+< &*66 $-+,=.88/-<*+? 7,16/6//+.6 67,1.<,0 7,*-.8@$.*+ .+8,

t &.<.1,' -3 .=6 *.-='.+<', ,-6#/'*#'5' _;'
0' $8M .+<'(/--,65/+<,+8,7#/'**'55' K W:' u 3*<'#/'**'5' WW

' ' 4.6' ,N-,1, =' 6-$8M2L' 67,' 4-* ,62' '4*7'3/7' 7,6,' 57=6*8*.+6' -' F* *6' *6' .' 1.+' /0' ,+' 7/$6.+<I' /5,+2'7/+,62<.$+ ,662' *?7 07,.-,<2'*++/8,+2'.+<'7*?70' 1*+<,<' '6,,' 7*1' *15-,66,<4*7' 7,' 1/6' .+*1.,<' -,#,-,+8,' .+<' .00,8*/+' 0/-'7*6' -/=.' 5.*,+2'3$' *' *6' 47/ =' 0/-'7*6' 87.-.8,-2'+/' .'47*' 0/-'7*6' -.+M ' -' A/7+2'7*6', <,6'6/+2'*6',N-,1, ='7.+<6/1,2C.+<'*+7,-*62' *+' .'1*<,-'<,?-,,2'. ' 7,' @$.**,6' /0'7*6'0.7,-L' &*66' $-+,=' 6$36,@$,+ =' 65,.M6' /0' 7,1' .6' 1/6' <, *?7 0$' 5,/5,2'.H/-*?*+.*='2'/5,++,662'.+<'?//<+,66L'

7.' 7,' *+?2'+/4*76.+<*+?'7*6'.00*8,<8/+<**/+2' -,.*+,<'7*6'/<'/#,'/0'7$1/$-2'1.='3,'?,.+,<'3='7,' 0/ /4*+?'.+,8</,' 4.-,'/0' -' F* *6'3,*+?'.'8,-?=G 1.+2'7,' .N,<'7*1' .' 7,*-'0*-6'*+ ,-#*,42'4*7'7.#*+?' .3.+</+,<'7*6'6.8-,<8. *+?'0/-'5-/0*2'.'-,3$M,' /'47*87' 7,' . ,-'-,B/*+,<7.' 7,' '.#*/$-'7.<8$-,<<,1/+*.86' ')',62L'6.*<7,' *+?2'3$' ,'<*<+/'?,'6,#,+'7$+<-,<' .0=,.-'0/-'* L0

m -' F* *6'4.6'+/'6//+,-',6.3*67,<.' ,4'7.+'7,' .-*3$,<7,' *+?06'1..<='/'47.'.55,.-'/'7.#,' 3,,+'*6'-$,'8.$6,6Y /'7,' *+?06'.3/-*/$6'. ,+*/+'/' 3$6*+,662'/'7,'6,#,-,'3/<*='N,-8*6,'47*87'7,'7.<.88$6G /1,<7*16,0'/'.M,2'/'7*6'.68,*8'.36,1*/$6+,662'.+< 7,'4.+'/0'.'5-/5,-'.1/$+'/0'6,,5A' &/-,/#,-2'47*,' 7,'-,?$.-'57=6*8*.+6'65/M,'4*7'?//1'/0'7,'5-/65,86' /0'7,' *+?06'-,8/#,-='-'F* *6'+,#,-'7,6*.,<'/'5-/G +/$+8,'*2'6$3B,8'/'7,'4*'/0'-/#*<,+8,2'C62'7$1.+='65,.M*+?2'8,-.*+' F* *62L'4-*,6'F*7.1'-,+#*H,'/+' 7,':7'/*,8,13,-2'7.62'$+<,-6.+<2'.-,.<='.8@$*-,<' .'8/15,',' .68,+<,+8='/#,-'7*12'47*87'*6'7,'5/*+'0/-' 47*87'7,'*6'5.-*8$.-='0.1/$6L'[

' &.<.1,' C *3.=06' *.-='.+<' ,,-62'#/''*#'55' W 2':9' -'F* *62L'4-*,6' H.++.*' &/-,2'47/'1,'7*1'.',7,'.3,'/0'7,' *67/5'/0' /+</+2'*6'7,'#,-='*1.?,'/0'6*15*8*='I@$*,'.'?//<2'5.*+2'/<00.67*/+,<2'8/$+-='5.-6/+I7,'*6'6,#,+=0' *-,,>;/ ' 'E ';' '#/''**'5'9__

' &.66,=06' *6/-='/0' +?.+<2'#/''***'5';

'A/$-+.6'/0'7,' /$6,'/0'(/11/+62'#/''N*#'5'

[' $/M*+?3.*+' .5,-62'#/''*''\df W

7,' 1/<,' /0' *0,. 1,+' .6/2' .<#/8. ,< 3=' -' F* *62' <*00,-,< 1. ,-*. =' 0-/1' 7.' /0' 7,' /-7/</6I' 1,<*8.' . ,+<.+62' .+<' .6' 7,' 4.6' *+-$6 ,< 4*7' 7,' 8/1G 1.+<' /0'47.' 4.6'8. ,< 7,'*++,-' .5.-1,+2' .+<' /0' 7,' 1.+.?,1,+' /0' 7,' *+?05' 5,-6/+2' 7,' 4.6' /' .' 8,-.*+' ,N ,+'*+<,5,+<,+' /0' 7,1' +N*/$6' /'-,1/#,'6/1,' /0' 7,'**-* . *+?'-,6 -.*+6' /'47*87' 7,' .+?'4.6'6$3B,8 ,<2'7,' .</5 ,<.' *1,6.' *3,-.*=' /0' -,. 1,+' 47*87'.6 /+*67,< .+<' ,--*0*,<7*6'1/-,'+,-#/$6'8/ ,.?$,6' ,'7.<68.-8,=' 3,,+' 4,+=00/$-' 7/$-6' </1,6*8. ,<.' ,42' 47,+2' .6' -' F.--,+' .0 ,-4.-<6' *+0/-1,<.' (/11* ,,' /0' 7,' /$6,'/0'(/11/+62'7,' +/' /+=' ./4,<7,' *+?'.'5,+G M+*0,'4*7'47*87' /'8$'7*6'+.*62'3$',#,+'5,-1* ,<7*1' /'67.#,'7*16,0' ,*+?'6$36,@$,+ ='@$,6*/+,<3=' 7,' (/11* ,,'/+' 7,'6$3B,8 Y' *6'&.B0,6=2L'6.*<' -' F* *62' '7.<+/' 3,,+'67.#,<0/-' .' /+?'47* ,Y5,-7.56'.'0/-E' +*?7'/-' 7-,,'4,,M6' 7,'5,-6/+' 7.' 7.<3,,+'$6,</' 67.#,'7*1'8/$<+/' 8/15 ,,' 7,'5.-6'/0'7*6'$55,-'.+< /4,-'*56I'.+<3,*+?'8/+0*<,+'0-/1' 7,'5-/0,66*/+6'.+< 7$1/$-'/0' *6'&.B,6=.' 7.' 1/1,+2' 6$00,-,<' *6' &.B,6=' /'67.#,'7*6'*56'7*16,0' 7,+' 7,' <,6*-,<7,' 1*?7' 7.#,'7*6'47/ ,'0.8,' .7,-,<2'7.' 7,' 1*?7'B$6' -$+'*' /#,-'4*7'.' -.>/-2' .+<7,' <*<6/'*+' .' #,-=' 8.1' 1.++,-' *6'+.*6' .6/' 4.+ ,<8$ *+?'#,-=' 1$872' .+< $5/+'7*6'.66$-.+8,2' .+<$5/+'1=' 8/+0*<,+8,' *+'7*6' //M62' '6$00,-,<7*1' /'8$'7*6'/4+'+.*6'4*7'.'5,+M+*0,2'47*,' '6//<3='7*1' '*6'+,8,66.-=' 0/-' .'57=6*8*.+2',65,8*. =' *+'6$872'8.6,62' /'3,' .3,' /'B$<?,' .' 7,'1/1,+' 47,7,-' 7,'8.+'8/+0*<,'*+' 7,'5-/0,66*/+6'/0'7*6'5. *,+I' .+<' +,#,-' 4.6'<*6.55/*+,<*+' 1=' /5*+*/+' 47,7,-' 5-/0,66*/+6' /0' 7,'5. *,+' 4,-,' /'3,'-,*,</+' /-'+/L' ,'4.6'6$-,2' 6.*<' -' F* *6' /' 7,' *+?2' .6'7,'5-,6,+ ,<7,'-.>/-' /' 7*12' 7.' *6'&.B,6='4.6' //'?//<.' (7-*6*.+2' .+<7.<

7.< 3,,+5 .8,< *+ 7*6 7.+<6 /- 4.6 7, ,66 .00,8 ,< 3= 7, /36,-#. */+6 1.<, 3= 7, *+?/+ .6 /-= 6/ 8 /6, = .+< 5.*+0$ =-,6,13 *+?7*6 /4+ *6 &.B,6 =? *+ .+64,- / F .--,+0 *+@$*-= 7-/$?7 47/6, .?,+8= 7, 7.< /3 .*+,< 7, #/ $1, 7, 6.4 *+ 7*6 7.+<6? *+ *1. ,< 7. * 4.6 7-/$?7 - F* *6 7*6 0.8 4.6 6 /$ =< ,+*,< 3= F* *6 Y=, 7, *+?5-/#,< / 3, 6$36 .+ *. = 8/--,8 *+ 7*6 6 . ,1,+ 7, 8*-8$16 .+8,6 8/++,8 ,< 4* 7 7*6 *+8*<,+ .-, +/ $+*+ ,-,6 *+? , 7.< 8/+G 8,*#,< . 1/-3*< <,6*-, / -,05,-$6, 7. +/3 , <-.1.? 3$ F* *6? 7/$?7 7, 7.< 7*16,0 +,#,- -,.< * Y.6 .5B*,.-6 3= 7*6 6$36,@$,+ ,#*<,+8, 3,0/-, 7, /$6, /0 (/11/+6 Y4.6 6$* 8*,+ = 4, .4.-, /0 7, 1/$-+0$ 5.-. , 3, 4,,+ 7, ,/+<* */+ /0 7*6 * $6 -*/$6 5. *,+ .+< 7. /0 7, Y

/ /-? *+0*-1? 4,.M? .+<<,65*6,< / < 1.+ Y

*11/-. *>,< 3= '7.M,65,.-,? .+< 8/+6,@$,+ = 7, #,-= 5-/5,- = <,8 *+,< /'8/15 = 4* 7 7, *+?6 4*67,6 *6 &.B,6 =6 M+/4 ,<?, /0 * ,-. $-,?7/4,#,-? 3,*+?6$5,-*/- / 7. /0 7*6 57=6*8*.+? 7, 8/+ -*#,< / /$ 4* 7*1 4,+ = =,.-65-,#*/$6 =? P *+?, .-2C.6. ,-,< 3= ,/-?, (/1.+? 7.<E 3,,+ 5,-0/-1,< 4* 7 #,-= *+<*00,-,+ 6$8G 8,66 . (/#,+ .-<,+ 7,.-,? =,? +/ 4* 76 .+<*+?* 6 0.* $-,? (/1.+ 7.< 7/$?7 6/ 0.#/$-.3 = /0 7*6 8/--,8G */+6L .6 / *+8/-5/-. , 7, . ,-,< 5 .= *+ .6$36,@$,+ ,<* */+ /0 7*6 8/ ,8 ,< <-.1. *8 4-* *+?6 88/-<*+? = 7, *+?B 4* 7 7, .<#.+ .?, /0 7*6 M+/4 ,<?,? -,@$,6 ,< 7. (/1.+0 4/-M6 1*?7 3, 3-/$?7 / 7*1? .+< .6 F* *6 /00,-,< +/ /3B,8 */+? 7, 7$6 /3 .*+,< 5/66,66*/+ /0 7, 0/-3*<<,+ <-.1.

$6,< / 3, -, . ,<? 4* 7? ,.-6 *+ 7,-, ,=,6? 3= 7, *+?0 , <,6 <.$?7 ,-? 7, Q$,,+ /0 F$-,13,-?? 7. 7, 0*-6 *1,? .0 ,- 7,- 0. 7,-0 -,8/#,-=2<07. 67, .+< 7,-

A/$-+. *B /0 7, /$6, /0 (/11/+6? #/ N *# 55 : ? ;9? 7, 5 .= 4* 7, 0/$+< *+ 7, ***-< #/ $1, /0 (/1.+0 -.1. *8 F/*M6? 5 ;? /+</+? 9:::

6*6 ,-6 7,' -*+8,66,6 $?$6 .' .+< *>.3, 7 4,-,' . /4,<
/' #*6*' 7*1 7,' $-+,< 7,' 8/+#,-6. */+' /' 7,' 1/$-+0$'
<-.1.' 47*87 7.< 6/ *15-,66,< * 6, 0 /+' 7*6 *1.?*+. */+'
' *6 #,-=' 3,.$ *0$ L' 7,' 6.*< #,-=' .00,8 *+? .+< #,-='
.40$ ' ' .1' *M,' 5//-' ,.-L' 7,' .<<,<I 3$ 7 .+M
/<T ' 7**#,'+/' ,?.+ +/' /+,-* I 3$' 7-,,' (/-<, *.6 L' '
+' 7,' 99 7 /0 ,8,13,- .6 4,' 7.#,' . -,.<='*+ *1. ,<
7,' *+?' //M 7*6 0*-6' 4. M *+' ,4' .-<,+6 6 7,'
5.66,< $+<,-+,. 7 7,' .5.- 1,+ 6 /88$5*,< 3='7*6 87* <-,+
7,' 4*6 0$ =' //M,< $5' /' 7,' 4*+</46 8/15 .*+*+?' '#,-='
7,.#* =L' 7.' 7,=' 4/$ < +/' ,#,+' 67/4' 7,16, #,6 /'
7*1' ' +' 8/+6,@$,+8,L' 6.*< -' F* *6 *+' 7*6 ,#*<,+8,
' 7,' +,N' <.=' ' <*< <,6*-,' 7.' 7,=' 67/$ < .55,.- .+<
1=6, 0 6 //< .' 7,' 4*+</4' 4* 7 4/' /0 7,' -*+8,66,6
47,+' *6 &.B,6 =' 4.6 8/1*+?3=I .+< *6 &.B,6 =' 67/4,<
,N -.#.?.+' B/=' .' 7,' 6*?7' /0 7,1 7/$?7 7,' 6.*< 7*6
,=,6 <*< +/' 6$00,- 7*1' /' 6,,' 7,' -*+8,66 1,*.' .6 4,'
.6 7,' 8/$ < 4*67 L' 7.' 6.1,',#,+*+?7 7*6 3, /#,< 87* <
4.6 ,< 3=' -' F* *6 /' 7,-' 0. 7,-' / <*+?' 7,-' /+' 7*6
M+,,7,' 8/+B$-,< 7,-' /' ?/' .+< 0, 87 7,-' 1/7,-Y.'
1*66*/+' /0 /#,' /' 47*87 -' F* *6 4.6 *+<$8,< /' ?*#,'
7*6 8/+6,+ .+< 7$6 7,' *+?' .+< Q$,,+' 4,-,' . /4,<
.+' *+ ,-#*,4' 47*87 .6 ,< 0/-' .3/$' .' @$.- ,-' /0 .+' 7/$-I
7,' *+?' . ' 7,' *1,' 7/ <*+?' 7*6 8/+6/- 6 7.+< *+' 7*6
/4 .+< /88.6*/+. =' 8.--=*+?' * ' 4* 7 /$87*+?' <,#/ */+'
/' 7*6 *56' ' 4.6 .55.-,+ = 7/4,#,- *+' 8/+6,@$,+8,'
/0 /3B,8*/+6 3,*+?' -.*6,< 3=' 7,' / 7,-' B*7=6*8*.+6 7.'
7,'-/=.' 5.*-' 4,-,'5,-1* ,< 3$' /+,' 1/-,' *+ ,-#*,4' .'
7*6 5,-*/<' F,,M .0 ,-' 4,,M 0-/1' 7.' *1, 4,-,'<,6 *+,<
/' , .56,' 3,0/-,' 7,' Q$,,+' 4.6 .?.*+' 5,-1* ,< /' ,+ ,-'
7,-' 7$63.+<0 .5.- 1,+ 0 $-*+?' 7.' .+N*/$6 *+ ,-#.
7,' *+?0 <*6/-<,-' 8/+ *+$,< 8/+6 .+ =' 0 $8 $. *+?' 0-/1

' *0 -*8 /0 .' .<=' /0 Q$. * = 5' 9
' A/$+*. <' /0 X*,' /$6,' /0 (/1 1/+6 #/*' N *#' 55' ; ; 9 ; ' *&+66/=6 *6 /-=' /0 +? .+< #/*' ***' 5' ;:

3, ,-' /' 4/-6,2 .+< 0-/1' 4/-6,' /' 3, ,-I 3*6' 8/+<* */+' 6/1, *1,6' 0* *+?' 4* 7' 3-*?7 ' 7/5,6' 7,' 7,.-6' /0' 7,' 6,8 $<,< *+1. ,6' /0' ,4' . .8,2 .+< 6/1, *1,6' /88.G 6*/+*+?' .' -, $-+' /' 7,' <,,5,6' .+N*, =' .+< ?//1' H+0/- $+. , =' 7,' *+?06' 1,<*8. ' . ,+<.+ 6' 6 * ' <*00,-,< *+' /5*+*/+' *+' -,?.-< /' 7,' 87.-.8 ,-' /0' 7*6' 1. .<=' /-' *+6 .+8,2 *+' 7,' 1*<< ,' /0' A.+$.-=' 4,' 0*+< -' F .--,+' *+ *1. *+?' /' 7,' Q$,,+' 7. ' 7,' 8/+6*<,-,< 7,' *+?' /' 3,' -. 7,-' 4/-6,L' 7.+' 7,' 7.< 3,,+' . ' F*+<6/-' I ' 47* ,' -' F* *62 /+' 7,' / 7,-' 7.+<2 4.6' 6 * ' . ' 7/5,' ,* 7,-' 4.6' .+/ 7,-' /0' 7,'-/=. '57=6*8*.+62 '*-' $8.6' ,5=62 1$87' ,66' 6.+?$*+,' ' 7,' 5-*#. ,' .88/$+ 6' /0' 7,' *+?2L' 4-* ,6' .++.7' &/-,' /' 7,-' 6*6 ,-' /+' 7,' K 7' /0' A.+$.-=2 ' .-,' 6 * ' 3, ,-0' 7.+' 7,' 5$3 *8' /+,6' 7,=' 6.=' 7,' . M6' /' F* *6' /0' 7*6' 8/15 .*+ 2 .+< /0' 7,' 3,6 1, 7/< /0' -,. G *+?' * ' ,' 65/M,' 4* 7' ?-,. ' 8. 1+,66' .+< 6/$+<+,66' /0' 1*+< /0' 7,' *+?' /0' '5.*+06 <,. 7 0' P ' 8.++/ ' 3,' 6$87' .' 7=5/8-* ,2C 7,' 6.*<2 P .6' /' 5-, ,+< /03,' 6/--=2 0/-' 7,' 4.6' +,#,-' .' 0-*,+< /' 1,' /-' /' 7*6' 8/$+ -= CL'A' ?.*+2 .' 0,4' <.=6' .0 ,-4.-<62 7,' 6.1,' ?*0 ,< .<=' 4-* ,6 Y ' 7,' 5//-' *+?' 7,' / 7,-' +*?7 2 .0 ,-' -' F* *6' 7.<-,.<5-.=,-6' /' 7*12 5-.=,< . /$< 0/-0' 7*16, 0' +' 7,' 9: 7' 7,' 6.*< /' 7,' 5.?, YP ,1,13,-' 7. ' /01/--/4' *6' 7,' Q$,,+06 3*- 7<.=2 .+< ' *+6*6 ' $5/+' 7.#*+?' .' +,4' 8/. C 6' 0/-' * 2 7,' ?/,6' /+' -*$157.+ =L' [

D' $8M .+<' (/--,65/+<,+8,2#/ ' ** ' 5 ' :

V (*.# 86' 7,' 7*-<' /0' '5.*+' <*,<' /+' 7,' 9_ 7' /0' ,8,17,-2 9:;;2 . ' 7,' .?/' /0' 6,#,+ =0 7-,,

' ,;("#(0' *11*)' (.,B<(%' ""' +' ! ' Z 6"/' <(%' ""' +' U

(' % %

.- ='65*-*' *+#.<,6' 7,' *+?06' 6*8M087.13,-Y .8M6'/+' *-,'Q$,,+Y -/?-,66'/0' 7,' ,?,+8=' * Y &*+*6 ,-*.'.--.+?,1,+ 6'*+'.+ *8*5. */+'/0'.' ,?,+8=Y ,0,8G */+6'0-/1'*-,'(/$-'Y' .#/$-.3,' $-+'*+' 7,' *+?06'1. .<=Y 7,'Q$,,+'-,.<G 1* ,<' /'7*1 Y $-M,6'65,,87,6'*+' 7,'(/11/+6Y 7,'(7.+8, /-6'*+ ,-#*,#-6' D4*7 7,' *+?Y 7,' -*+8,6C#*6*' /' 7,*-'0. 7,-I' 7,*-'$+0*<*.'8/+<$8 Y 7,' $M,'/0'Q$,,+63,--='<*61*66,<Y *-,' *+?'-,6$1,6'7*6'8/--,65/+<,+8,'D4*7 * ' Y *6'?-. * $<,'0/-'0*<, *='Y' 7,'57=6*8*.+6'<*61*66,<'Y' ,+,-.' $1*+. */+'Y' ,1/#.'/0' 7,'(/$-'/' F*+<6/-'Y' 7,' 7.+M6?*#*+?'. ' ' ' .$06I'8/+<$8'/0' 7,' -*+8,'Y' . 6'.+<'0w,6'/'8, ,3-. ,' 7,' *+?06'-,8/#,-=Y 7,'Q$,,+'-,6,+6' 7,'* 0-,. 1,+'-,8,*#,<'7='7,' *+?Y *67/5'F. 6/+'Y' 7,' -*+8,'/0'F. ,606' , ,-6'/' 7,' *+?'Y' *6'-,+,4,<'*+6$ 6'Y' $,'3, 4,,+' 7,' $M,'/0')/-M'.+<' (/ /+,' ,++/N'Y' 7,' -*+8,06'8/15.*+ 6'/0' 7,'Q$,,+' C

&' ,' 1,.+' *1,2 5.- ='0,, *+?'8/+ *+$,<' /' -$+' .6' 7*?7' .6',#,-'3/ 7'*+' .+<' /$'/0' .-*.1,+'I 1,+'0/-1*+?' 7,*-' /5*+*/+6' /0' 7,' *+?06' 8/+<*'*/+' .88/-<*+?' /' 7,*-' -,65,8G *#,' 4*67,6' /-' 0,.-6' ' 7,-,'*6'+/' 8*-8,'*+ /' 47*87' /+,' ?/,6L'Y'4-* ,6' ' /-,-' /' /-<' $8M .+<Y 47,-,' /+,' 5,-6/+'</,6'+/' , '=/$' 7.' 7,' *+?'*6'+/4'6/'+,.-' 7,' -,0,6 .7*671,+2 3/ 7'/0'7*6'3/<*='.+<' 1,+ .'7,. 72' 7.' 7,'4*' 1,,'7*6' .-*.1,+'*+'.'0/- +*?7'I .+<'6/1,'/ 7,-' 8/+ -.<*8 6'7*1'0 . ='7='.66,-*+?' 7.'3/ 7'7*6' 1*+<' .+<' 3/<='.-,'*+' 7,'1/6'<,65,-. ,'6*$.*/+L' ' 55/6**/+LY' 4-* ,6'F* *.1' --,+#*H,Y'7.#,'3,`+' .M*+?'*+8/+8,*#.3,' 5.*+6' /' 65-,.<' 7,'*<,.' 7.' 7*6'<*6/*<,-'*6'*+8$-.3,'L'E ?.*+2' /-<' '=<+,=' 4-* ,6' /' /-<' (/-+4. *6Y ' 7,' .8-*1/+=' *6' 3,=/+<' .+= 7*+?' =/$28.+' 8/+8,*#,' 7,' .<*,6' .-,2' .6' 6.2' ' 7,'7,.</0' .H .+*1/6*=2' .+<' .-,' <*6 *+?$*67,<' 3=' 8.562'-*3.+<62' .+<' / ,-' 6$87',13,16'/0' 5.- =L' ' &.<.1,' $3,-2'*+' .', ,-' /' &-6' <,+2 65,.M6' /0' 7,' 0.67*/+.3,' ,?,+8=' (.562L' .+<' 1,+*/+6' M,' 87,.5,6' .6' 8/6*+?' 6,#,+' ?$*+,.6 E

[' 8:@%*1/' (..,#+(1/,1:,'<(%'""'+' ' 0' 8:@"12)*;' *+,.#'<(%'m' 9' -' (.1=*%%"#' (..,#+'<(%'"'+'U 2' 8:@%*1/' (..,#+'<(%'""'+' `' " ' 1

.- =' .+*1/6* =' ,#,+' *+#.<,<' 7,' 6*8M087.13,-' /0' 7,' *+?2' .+<' 3*.66,<' 7,' 8/+<$8' /0' 7*6' 1,<*8.' . ,+<.+6' F* *.1' -,+#* ,' 65,.M6' /0' 7,1'.6' '6/' 4.-5,<3='5.*C=2' /-' 3=' .+''.+N*, =' /' 5.=' 7,*-' 8/10' /' 7,' **+8,2' .6' 8,-.*+ =' /'<,6,-#,' 7,' 6,#,-,6' -,5-,7,+6*/+L' '$87' 5,-6/+6' .6' /#,<' 7,' *+?2' /-' 47/' 4*67,<' 4,' /' &-' * 06' /#,-+1,+B'+. $-. ='8 $+?' /',#,-='4/-<' /0'7/5,' \!E7*87' ,68.5,<' 0-/1' 7,' *56' /0' -' F*H*62' 47*,' 7,' -*+8,06' 0-*,+<62' -, =*+?' /+' 7,' .$ 7/-* =' /0' 7,' /-7/</N' F.--,+2' 5-/+/$+8,<' 7,' *+?' /' 3,' .' 8/+0*-1,<' $+. *82' .+<' F* *6' .' 1,-,' ,15*-*8' .+<' 8-,. $-,' /0' * ' '*-' '*<+,=' '1* 72' 0/-' *+6 .+8,2' *+' .' , ,-' /' /-<' $8M .+<' 65,.M6' /0' 7,' 55/6* */+'57=6*8*.+6'L'.63,*+?' 6/'8.1/-/$6' *+' 7,*-' ,00/-6' /' *+#. *<. ,' 7,' ,6*1/+=' /0' F* *62' 7.' 7,'5$3*8'7.<'3,8/1,' '6-.+?, ='<*#*<,<'*+'</$3 62'7/5,62' .+<' 0,.-6LY' '*6' .' 6-.+?,' 6$3B,82L'4-*,6' 7,' -87G' 3*67/5' /0' (.+ ,-3$-=2' '0/-' 5.-=' /' ,N*6'$5/+2' .+<' <*6G' ?-.8,0$' /' 7,' 8/$+-=' 7.' * ' 67/$<3,' 6/f 3$' 6/' * ' *6L' ' F*3,-0/-8,2' *+' 7*6' *.-=2' *+8*<,+. =' 65,.M6' /0' 7,' '5,.M,-' /0' 7,' /$6,' /0' (/11/+6'.63,*+?' .55.-,+ =' 'g' "

+<' *+ /' 7,6,' 5.- =' .+*1/6* *,6' .+<' <*68$66*/+6' 4.6' <-.??,<' 7,' 0.*-'+.1,' /0' 7,' $+7.55=' .<=' 47/' 7.<' +,#,-' *+' 7,-' *0,' *+ ,-0,-,<' *+' 5/' * *86f' 47/' 7.<' ,#,-' 67-$+M' 4* 7' .' 1/-3*<7/--/-'0-/1'5$3*8'+/ /-*, =f 47/6,' -$ *+?' .+<' 6, 00<,#/ *+?' /3B,8' * ' 7.<' 3,+2' 0/-' 1/-,' 7.+' .' @$.- ,-' /0' .' 8,+ $-=2' /'5-/1/,' 7,' 7.55*+,66' .+<' <*?+* =' /0'.' 3, /#,<7$63.+<2' .+<' 47/6,' 7/5,6' .+<' 0,.-6' 4,-,' +/4' .' 8,+-,<' *+' 7,' 6*8M087.13,-' /0' 7,-' 6-*8M,+' /-<' ,N' /' 7*6' -,6 /-. */+' /' 7,. 72' 67,' 5-.=,<' 7.' 67,' 1*?7' 3,' ,+.3,<' /' 5-,6,-#,' 7*6' M*+? =' 5/4,-' 0/-' 7*1' $+*15.*-,<2' .+<' 7.2' *+' 7,' 7.55=' ,#,+' /0' 7*6' -,8/#,-=2

' $8M*+?7.1' .5,-62'#/ '**'5'9_2
' $8M .+<'(T/--,@X/+<,+8,2'#/ '**'2'552' K 2' K:'
' *0,'/0'F*3,-0/-8,2'#/ '*'52'9

7,-' 8/+<$8' 1*?7' 1,,' 4* 7' 7*6' .55-/#. ' (7* ,< 3=' 7,' <*67,.- ,+*+?' //M62' .+<' <*6?$6 ,< 3=' 7,' 5.- =' 65*-*' 47*87' 67,' <*68/#,-,< *+' 7,' -,?$.-' 57=6*8*.+62' 67,' +. $-. =' 0 ,4' 0/-' 8/10/-' /' 7,' 7/5,0$' 4/-<6' /0' 7,' 6*+? ,07,.- ,< *+8/ +67*-,' 8 ,-?=1.+') ,' 2' /+' 7,' 68/-,' /0' 7,6,' .*+*.7 ,' 0,, *+?62' 7,' Q$,,+2' 3/ 7' *+' .- *.1,+' .+<' 3=' 7,' -,662' 4.6' 8/+6 .+ =' .+<' 8-$, =' .88$6,< /0' .*1*+?' . ' 5/ * *8. ' .+<' 5,-6/+. ' 5/4,-' I *+' 0.8 2' /0' 3,*+?' *+' 8/ $6*/+' 4* 7' F* *6' /' M,,5' 7,' *+?06' -,. ' 6 . ,' /0' 7,. 7' .' 6,8-,' 0-/1' 7,' 5$3 *82' .+<' 7$6' ,N8 $<*+?' 7,' -*+8,2' 7,-' 6/+2' 0-/1' 7,' 5/66,66*/+' /0' 7*6' ,?* *1. ,' -*?7 6' &/-,/#,-2' . ' 7,' 7,.< /0' 7/6,' 47/' 3-/$?7' 7,6,' 3.6, ,66' .88$6. */+6' .?.*+6' 7,' .00 *8 ,< Q$,,+2' 67,' 7.< 7,' 1/- *0*8. */+' /' 0*+< 7,-' /4+' , <,6' .+<' 0.#/$-* ,' 87* <' 7.' 7,' -*+8,2' 47, 7,-'$+4* *+? =' /-' +/ 2' <*< 7*6' 1/ 7,-' 7,' ?-,. ,6' *+B$6 *8,2' .55,.-6' /' 7,' 0-,, =' .<1* ,< ,#,+' 3=' 7*6' /4+' 0-*,+< .+<' 0-//1' /0' 7,' ' / ,2' /-< '/$ 7.15 /+' '5,.M*+?' /0' 7,' -*+8,06' 8/+<$8' . ' 7*6' 5,-*/<2' /-< '/$ 7.15 /+' 4-* ,6' /' /-< (/-+4. *6' /+' 7,' K 7' /0' &.-872' 9: Y ' *6' .' ?-,. ' 1*60/- $+,2' .+<2' ' 67. ' . 4.=6' 7*+M2' /-*?*+. ,< *+' ,--/-' . $-,' 7.< 8,- .*+ =' *15-*+ ,< *+' 7,' 1/ 7,-06' 3-,.6' .' /#,' /' 7,-' , <,6' 6/+' 3,=/+< 7,' 5/4,-' /0' .13* */+' .+<' 8/1G 5, * */+' /' ,-.<*8. ,2' .+<' ' .1' 8/+#*+8,< 7.' 7,' 5.-'] 7.' 67,' //M' 4.6' </$3 =' /' 6,8$-,' 7,' 5/4,-' /' 7,-' 7$63.+<2' *0' 7,' 67/$ < -,8/#,-2' .+<' /' $6,' * ' .6' 7,-' 6/+' 67/$ < <*-,8 2' *+' 8.6,' . ' 87.+8,' /0' -,8/#,-=' 67/$ < 8,.6, L ' .- =' 0,, *+?2' 7/4,#,-2' -.+ //' 7*?7' /' *6 ,+' /' -,.6/+' ')/$' 4* ' 6,,' *+' 7,' 55/6* */+' 5.5,-62' L' 4-* ,6' F*H*.1' -,+#* ,' /' /-< $8M*+?7.12' 7.' 7,=' .-,' 3,?*++*+?' /' .3$6,' 7,' Q$,,+' *+' 7,' 1/6' /5,+' .+<' 68.+G <. /$6' 1.++,-L' '/1,' /0' 7,' 6/-*,6' 47*87' 4,-,' 5-/G 5.?. ,< /' 7,-' <*6.<#.+ .?,' 4,-,' *+<,,< 68.+<. /$6 L' F7.2' .6M6' /-.8,' F. 5/ ,2' 4* ' 7,' *+?2' *0' 7,' -,8/#,-6

7*+M /0 7, Q$,,+ .+< 7,- * S F* 7, 7, 5 ,.6,< . 7,- 7.#*+?. .*+,< .5/4,- 47*87 7, +,#,-*+ ,+<,< /*15.- /7,-S F* 7, 7, @$* ,6. *60*,< 4* 7 7, 8/<*8* /7*6 4* 47*87 67, 6$--,BX**/$6 =/3 .*+,<0-/1 7*1*+7*60-,+>= 4 4 4 4B L Y /4 4/$< 7, *+? /+7*6 -,8/#,-=2L*+@$*-,< $-M,*+ 7, /$6, /0 (/11/+6 7, 5 ,.6,< . 6,,*+? 7,5. -/+.?, /0 7, /$6,7/ < .M,+ 0-/1 7, -*+8, /0 F. ,6 7*6 -,5-,6,+ .*#, .+< ?*#,+ / 7, Q$,,+S ,1$6 3, 67/8M,< . 7,*<,. LO PP F7. 2L. 6/.6M6 7, -*+8, /0 F. ,6 7*16, 0 4* 5-/3.3=3, 7,+. $-, /0 7, *+?06 0,, *+?6 /+ 7, 7.55=<.=/0 7*6 -,8/#,-= 47,+*+0/-1,< /0 7,*+B$-=47*87 7.6 3,,+*+0 *8 ,< /+ 7, (-/4+ .+< /+ 7,-*?7 6 /0 7*6 0.1* = 3= 7,<,?-.<*+? 8$- .* 1,+ /0 7, M*+? =.$ 7/-* =*+ 7, 5,-6/+ /0 7*6 6/+SL A), 47,+ 7, *+? 6$36,@$,+ =-,8/#,-,< 7*6 -,.6/+ 6/ 0.- 4.6 7, 0-/1 3,*+? <*66. *60*,< 4* 7 7, 8/+<$8 /0 7*6 (/+6/- 7. *0 .+= 7*+? 8/$< 7.#, .<<,< / 7, <,,5 .00,8*/+ 47*87 7, ,+ ,- .*+,<0/- 7,- .+< 7, ,+*-, 8/+G 0*<,+8, 7, 7.< ,#,- 5 .8,< *+ 7,- <*68-, */+ * 4.6 7, .+N*/$6 6/ *8* $<, .+< <,#/*/+ 4* 7 47*87 67, 7.< 4. 87,< /#,- 7*6 *+ ,-,6 6 <$-*+? 7, 5,-*/< /0 7*6 .00 *8 G *+? #*6* . */+ 7. 7, Q$,,+ 4.6 <,,5 = <*6 -,66,< 3= 7, 5$3 *8 . .8M6 47*87 4,-, 1.<, $5/+ 7,- 7,-, 8.+ 3, +/ @$,6*/+ &=5//-/=. 1*6 -,662L 4-* ,6 &*66 $-+,= + /4 <-//56 ?-*,#, Y?-*,#, /6, 7,- $ 7,- /4+ +.1, .+< 8/+<$8 8. ,< *+ @$,6*/+ Y 47/ 8.+ 4/+<,- 67, *6 67/8M,< .+< 67.M,+SL '*- '*<+,= '1*7 .3/$

I E *%+(%,3# ,--,.# <(% "> +
$-M,0 '5,,87,6 #/ '***'5'_9
A 7, -*+8,0 -,5 = /&- * 2 <. ,< +<A.+$.-= 9:; F,'7.#,' 7,'.$ 7/-* = /0 '*- *3,- */' 7. 7*6 8, ,3-. ,< , ,- 4.6 4- ,+ 3= $-M, 4*7 6/1, . ,-. */+6 YE47*87 '*- *3,-7*+M6 4,-,'+/'0/-7,'3, ,-Y3='7,-*<.+ .+</7,-6 ',,'&//-,0 * '# '**'5'W_ W7 ,<* -*/-6 * +3 '#/ '**' 5 U8 +<,<* 7, -*+8,*+ .'+/ ,/ /-< /$?73/-/$?7 65,.M6 /0 * 6'5-/G 5/6,<-,6 -*8*/+6 /+ 7, ,?,+8=.2*+7*6 /5*+*/+ '6$87 .6 +/ <*8 . /-8/$<5/6G 6*3 =,#,-7.#,'3,,+3.-,0.8,<,+/$?7 /'7.#,'3-/$?7 0/-4.-<LY /-< (.153, 0 * & 4 #/ '#*'5' 9

**6 *1,2 65,.M6 /0 M,' Q$,,+ .6 4/-+ /' .' 6M, , /+IL .+< &*66 $-+,=' -, . ,6 *.' 6*,' 4.6 ,.6* =' 1/#,< /' ,.-6

+' 7,' 1,.+' *1,2 7,' *H 47*87 4.6 /' 8/+0,-' 7,' ,?,+8=' $5/+' 7,' -*+8,' /0 RF.,62 .+<' /' ,15/4,-' 7*1' /' <*61*66 7,' 5-,6,+' <1*+*6 -.*/+2 4.6 1.M*+?' / ,-.3 =' -.5*<' 5-/?-,66 7-/$?7 .-*.1,+' +' 7,' 9 7 /0 ,3-$.-=E*' 0*+. =' 5.66,< 7,' /$6,' /0 (/11/+6' 7,'<.=' /+' 47*87 *' 4.6 /' 7,'-,.<0/-' 7,' 7*-<' *1,'*+' 7,' /$6,' /0 /-<6 4.6 8/6,' '7.+<' 7,' 55/6* */+' 4,-,'*+' 7*?7?,,' 7,'+,4' 1*+*6 ,-*.' .--.+?,1,+ 6 4,-,'*+',#,-=' 1/$ 7' 7,' $M,' /0 /- .+<' 4.6 /' 7.#,' 3,,+' *-6' /-</0 7,' -,.6$-=I /N .+<' /-<' ' /-1/+' ',8-, .-*,6 /0 ' . ,I 7,' $M,' /0)/-M (/11.+<,-0*+0(7*,0I .-' *>4* *.1' *-6' /-</0 7,' <-/*-. =I .-' '5,+8,-' /-<' *,$,+.+' /0 -, .+<I '7,-*<.+' -,.6$-,-' /0 7,' .#=I .+<' *>5. -*8M ',8-, .-=' .' F.-' /-<' /-72 *' 4.6 $+<,-6 //<2<,8*+,<3,*+?' .' 1,13,-' /0 7,' (.3*+,' ' +,4' 3.87 /0 *, < &.-67. 6 4.6 /' 7.#,' 3,,+' 1.<,2 /' 8/+6*6' /0 7,' +,4' ,?,+2 7,' $M,' /0)/-M2 7,*-' $+8,' 7,' $M,' /0 -/$8,6,-2 .+<' ,+,-.' (/+4.=' ' 7,' (/ /+,62 </4+' /' 7,' -*+8,05 0-*,+<' /-<' .4</+2 4,-,' /' 7.#,' 3,,+' 5-/1/ ,<0 /' 3,' &.B/-0 ,+,-.6' #,+' 7,' +.1,6 /0 7,' ,?,+05 *+ ,+<,<' .*<,60<,08.15 .55,.-,<' *+' 7,' +,465.5,-6' &-6' *>7,-3,-2 4.6 6.*<2 4.6 /' 7.#,' 3,,+' 8-,. ,<' .' $87,662 .+<2 .6' .' 1. ,-' /0' 8/$-6,2 7,' -,.'' ',.' 4.6 /' 7.#,' 3,,+' ?*#,+' /' /-< /$?7G 3/-/$?7' ' +' -*<.=' +*?7 2LC 4-* ,6 7,' -873*67/5 /0 (.+ ,-3$-=2 '.+' /<< 7*+?' 7.55,+,<' .' .' ?-,.' .66,13 =' .+<' 3.' .' ,#/+67*-,' /$6,2 ?*#,+' 0/-' .' 7,' 4/-<' F7,+' *' 4.6 #,-=' 0$ 2 7,' </-6 0,4 /5,+2 .+<' P /-<' (7.+8, /-C 4.6 .++/$+8,<I 47,+2 /T /-<' /$?70

' &.<.1,' C -3 .=05 *.-=' .+<' , ,-62 :/ '*#' 55' WW2 : ' $8M .+<' (/-G -,65/+<,+8,2#/ '**'5' K

' $8M*+?7.1' .5,-62#/ '*'5' *' $8M .+<' /--,65 2#/ '**'55' W92 ;

3/-/$?3 4. M,< *+ 7, 6,-#.+ 5-/3.3 = 8/+6*<,-,< 7*1 .+< 3.< 3,,+ $6,< /8. 7*1 6/ 7-,, 4,,M6 .?/ L 7. <$-*+? 7, *+?06 * +,66 7,-, 67/$ < 7.#, 3,,+ 1.+= <,0,8 */+6 / 7, -*+8,06 6*<, 0-/1 .1/+? 5.8,1,+ .+< 7, 5,/5 , /0 7, (/$- 4.6 5,-7.56 +/ 7*+? 1/-, 7.+ 4.6 /3, ,N5,8 ,< 0 7, /4,- ?-.<,6 +/ 0,4,- 7.+ 0/$- /0 7, *+?06 5.?,6 Y *+8 $<*+? 7, *+?06 8/+0*<,+ *. 5.?, /0 7, 3.8M06 .*-6 F* *.1 .1 $60 Y 6$36,@$,+ = /6 7,*- 5.8,6 0/- 8/1 1$+*8. G *+? 5-*#. , *+ , *?,+8, /7, -*+8, /0 F. ,6 A 0 7, 7*?7,- ?-.<,6 *+ .<<* */+ /7, /-< (7.+8, /- .+< /7,-6 1.= 3, 1,+ */+,< 7, +.1,6 /0 7, $M,6 /0 Q$,,+63,--= .+< /-7$13,- .+< +/ 4* 76 .+<*+? 7, 0/-1,-Y 7, 1* */+.*-, < Q L /0 7, 8.-*8. $-*6 6 .+< 7, 6 ,46 Y 7.< 3,,+ 0/- +,.- = 7*- = =,.-6 . /-< /0 7, *+?06 3,<87.13,- .+< 7. 7, /$6, /0 ,-8= /-. 7,- '1* 76/+ 4,-, $+<,- ?-,. /3 *?. */+6 /7, *- '/#,-,*?+ / /-< (/-+4. *6 /-< '=<+,= 4-* ,6 /+ 7, 96 /0 ,3-$.-= Y 7, $M, /0 /-7$13,- .+< 47/6, * 7$1/$- 3-/M, /$ .6 6//+ .6 7, 7.< ?/ 7*6 $, *3.+< 7.6 3,,+ 4* 7 .4</+ . 7, 7,.< /0 47. 7.6 3,,+ 8. ,< 7, -1,< ,$ -. * = 7,6, //7.#, B/*+,< 7, -*+8,I .-, 7, 1/6 *+#, ,-. , .+< 7/6 *, /0 .+=3/<= 8/#,-,< .6 7,= .-, 4* 7 7, 5//- *+?06 0.#/$-6 -. *G $<, 4.6 +/ *+ 7, *+?06 1, .+87/ = 6* $. */+ /3, ,N5,8 ,< 0-/1 ' /-1/+ .+< /$?73/-/$?7 .+< 7,=0 3/.6 7. +/ 4* 76 .+<*+? 7,*- /3 *?. */+6 / *6 &.B,6 = 7,*- . .871,+ *6 / 7, (/+6 * $ */+ 4* + / <4, $5/+ 7*6 0* 7= 6$3B,8 ,#,+ / 6 . , 7, 0* 7*,6 8/+<$8 /0 /-7 47/ *6 ,< </4+ / 7, /$6, / .8 $+<,- '7,-*<.+ / B/M, $5/+ 7, *+?06 1*60/- $+,6 7.+M /< 7, 8/$+ -= *+ . 5.-6 .+< 3/7 /$6,6 /0 .-0

$8M .+<C(/--,65/+<,+8,#/ ** 5 9
7, * = .1$.L /0 , ,- *+<.-06-*3. <#,-.,
A (/-+4. *6 (/--,65 =/ ** 5 :.+< +/ ,

*.1,+2 7.#,' +/3 =' 6 //< 3=' 7,' *+?' &/-,' .00,8*/+'
.+< 8/+8,-+' 8/$ < +/ ' 7.#,' 3,,+' 67/4+2 .+< *6' &.B,6 ='
4* ' 7.#,' 7,' 6.*60.8*/+' /0' 0*+<*+?' 7/4' 1$87' 7,' *6' 5,-G
6/+. =' 3, /#,<L'

+' 7,' 1*<62 7/4,#,-2 /0' 7*6' <*68-,<* .3 ,' .+< ,N8* *+?'
6 . ,' /0' .00.*-62 7,' 3$, *+6' 47*87' 1.<,' 7,*-' .55,.-.+8,'
. ' ' A.1,606' 3,?.+' /' 3,' 4/-<,<*+' 1$87' ,66' <*67,.- ,+G
*+?' ,-16' 7.+' 7.<3,,+' 7,' 8.6,' /0' . ,2 .+< 8/+6,@$,+ ='
7,' 8/$+ ,+.+8,6' /0' 7,' -*+8,05' 0-*,+<6' 4,-,' /36,-#,<' /'
?-/4'8/--,65/+<*+? =' -$,0$ ' 7,' *+?05' 1. .<=2*+' 0.82
7.<' .M,+' .' 0.#/$-.3 ,' $-+' ' /-' *+6 .+8,2 47,+2 /+' 7,'
+</0' ,3-$.-=2 &*66' $-+,=' .88*<,+ . =' ,+8/$+ ,-,<' .+<
8/+#,-6,<' 4* 7' 7*1' *+' ,4' .-<,+6 YE+/ 4* 76 .+<*+?'
7,-,' 4.6' 6 * ' .' 4* <+,66' *+' 7*6' ,=,62 .+< . 7/$?7' 7*6'
65,,87' 4.6' 6 * ' +,-#/$6 =' -.5*<2 *.+< 6/1,*1,6' . 1/6'
*+8/7,-,+ Y7*6' 8/$+ ,+.+8,2 .6' 7,' .*< 7*6' 7.+<6' $5/+'
7,-' 4/'67/$ <,-6' .+< M*66,<7,-'87,,M2 ,N5-,66,<' '. ' * 6'
+6$.' 3,+*?+* = 7,' 1,,*+?' ,.#*+?' . /?,7,-'$5/+'7,-'
1*+<.' 6.+?$*+,'7/5,'/0'7*6',.- =' -,8/#,-=' 11,<*. , ='
.0,-' *66' $-+,=05' -, $-+' /' 7,' 5. .8,2 4,' 0*+< 7,'
Q$,,+' ,.?,- =' *6 ,+*+?' /' 7,-' -,8* .' /0' 47.' 7.< 5.66,<'
' ,-' .6 /+*671,+ 2L' 4-* ,6' 7,'0/-1,-2 '.+<7,-',.?,-+,66'
/' 7,.-' ,#,-=' 5.-*8$.-2 4,-,' #,-=' ?-,. L2 F. M*+?'
+' 7,' ?.-<,+' 4 7' -' F* *62L' 4-* ,6' .++.7' &/-,2
7,' . ,-' <,68-*,< 4/' /-' 7-,,' /B0 7,' 4/-M1,+2 .+<
/-<,-,< 7,1' /' 4* 7<-.4' P F* *62C6.*< 7,' *+?2 P=/$
</' +/ ' M+/4' =/$-' /4+' 3$6*+,66' , ' 7,' 1,+' 8/1,' 3.8M'
.?.*+') /$' /$?7' /' .88$6/1' 1,' /' 6,,' 5,/5,' 3='
<,?-,,62 7.' ' 1.=' 3,' 5-,5.-,<0/-' 6,,*+?' 7,1' 1/-,' .'
.-?,C &-6' /68.4,+05 7/$6,' B/*+6' ,4' .-<,+6' ',,G
+?' 7,' 4/-M1,+' 7.< 1.<,' .' 0-,' /' 3$-+' -$33*672 7,'
6.*<YP -.=' 5$' /$' 7.' 0*-,' <*-,8 =' /+C' =/$' 6,,' *'
61/M,6' &-6' /68.4,+05 7/$6,' $LC0

< .=/-4/.0,-7, *+?7.<,+8/$+,-,<&*66 $-+,=7*6,@$,--*,6 4,-,+/ /+=. /4,</.,+<7*1 *+7,,#,+*+?3$.6 4* 7,6,,+3=7,0/ /4*+?,,-7, Q$,,+4.6-,.<1* ,</7*6 6*8M087.13,-

N3 4 + &

< . - / 0 ' (/

$ E),1 =*# %*#-1"2)-B="-)-),*12),"1A8".,/<,.7 *1>"(8#%7*0-,.7(8*1/#,,;,/+%,*#,/-(),*.(07(8.)*<"12 6,,1*-,="-("10(.;7(8.#,%0*0-,.)";,*%#(2*<,;;,-),#,.;(1 0(.7(8(0 .)(;*# E"%%"#*1/(./,.,/;,-(#,1/ "-*#(1*+(##"6%,*1/-(,>+.,##)(=;8:)),="#),/-(@1(=7(8.(+"1"(1*6(8-"- *;%"@,="#,-("1-.(/8:,B-)"#1,=*:A8*"1-G *1:,(0(8.#-(7(8=)":) #)*%% /(67*%,--,.-).(82))";? *1/)(+,1*7**;+.,--7#8.,-)*-7(8="%% %"@,)";*#),.,*%%7"# *<,.7;(/,#-;*1*1/67)"#:(1/8:-"1-)"#)(8#,2*"1#,<,.76(/73#*++.(6*-"(1 *;#(..7-(),*.-)*-7(8.<"#"-*-,=#)(8%/)*<,+.(<,/#(+*"108%-(7(8*#-(2"<,7(8-),2(8-68-)(+,-(),*.-)*-"-"#1(-*<,.7#,<,.,*--*:@

1 % / 2

C 4 72((/(./-)"# %,--,.=*#=.(-,7,#-,./*7 68-1((++(.-81"-70(81/-(#,1/"-?-),:(1#,A8,1:,(0=)":)"#-)*-)-),#,.;(1"# 6.(82)-67"-# *8-)(.=)(;)(+,7(8="%% *++.(<,(0DI

-/1 7*6*1,7,*+?06 7,.7 8/+*+$,<?-.<$.=.+<6.*60.8/-*=/0*15-/#, +7,9_7 4,0*+<7*1 #*6*,<3=7,Q$,,+.+<-*+8,66,6**+7, ,#,+*+?I /+7,9K7 &*66 $-+,=1,+*/+6 7,<,*?7 47*87 5-,G #.*,<*+7,-/=.7/$6,7/</+*6 3,*+?M+/4+7.7,*+?.+<Q$,,+4,-,4.M*+?.-1**+.-1**+ *871/+<.-<,+6IT.+</+7,9:7 7,3$,*+5-/+/$+8,< *6 &.B,6=/3,*+.6 .,/08/+#.,68,+8,),/N4-*,6/+7*6#,-=<.=0-/1 .7/ *>5.-*8MY , .#,7*6 5.8,/7 7$-6<.=3$6.=0/- , ,-6I.+<7,-,0/-,*0

,+ ,=06 &*68, .+=7#/ NN#*5 ;
&.<.1,C -3.=6 *.-=.+< , ,-67#/ *#*5 _9_

=,6 ,-<.=' 4* 7' *6' &.B,6 =2' .+<' 0/-' 7,'0*-6' *1,' . M,<' /' 7*1' $5/+' 3$6*+,662' .+<' /5,+,<' /' 7*1' *+' 5.-' 7,' 1,.6$-,6' 47*87' 7.<' 3,,+' .M,+' <$-*+?' 7*6' 8/+0*+,1,+' ' $+<,-6 .+<' 7.' *6' &.B,6 =' 4.6' 3=' +/' 1,.+6' 7,' 4/-6,' 0/-' 7*6' 8/+#,-6. */+' -' F* *62' 47/' . ,+<6' 7*12' 6.=6' 7.2' 4,-,'7,'.'5-*#. ,'1.+2'7,'67/$<.<#*6,'7*6'0/ /4*+?' +/4'7*6'6.'/88$5. */+2'.6' 7,'1/<,'/0' *#*+?' 1/6' *M, =' /' -,6 /-,'7*1' $2' /<M+/46†' *6' &.B,6 =' 4 '7.#,' .'6,#,-,' -*.' 47,+'7,'*6' *+0/-1,</0'. ' 7.' 7.6' 5.66,<' <$-*+?' 7,' *17.55=' *+ ,-#.' #,-=' 5/66*3 ,' 8.-,' 4* ' +/' </$3'7,' .M,+' /' 5-,5.-,' 7*1') /$' 4* ' 7,.-' 0-/1' / 7,-' 7.+<62' 5-/3.3 =2' 7.' 7,' -*+8,' /0' F. ,6' 7.6' ?/' 8/15 , ,' 5/66,66*/+' /0' 7,' $M,' /0') /-M2' .+<' 7.' 7,=' 7.<' 1,<* . ,<' 6$87' 87.+?,6' *+' 7,' ' . ,' .+<' 7,' -1=' .6' 4/$<7.#,' ?-*,#,<' 7*1' ,N8,,<*+? =' /' 68-$5 ,' 7.6' 3,,+' 1.<,' /0' <,8 .-*+?' 7.' .' ?,+,-.' 64,,5' /0' . ' 5 .8,6' 4/$<3,' 1.<,2' *0' 7,' ,?,+8=' 4,-,' /' .6' /+ =' .' <.= L'

1/+?' 7,' 5,-6/+6' 1/6' ,.?,-' /' /3 .*+' ,.- =' *+ ,-G #*,46' 4* 7' 7,' 8/+#. ,68,+' 1/+.-87' 4,-,' 7,' 4/' -*+8,6' 7,16, #,6' '//+,-' /-' . ,-2' .6' 7,=' 4,-,' 4, ' .4.-,2' 7,*-' 0. 7,-' 1$6' 3,' 1.<,' .8@$.*+ ,<' 4* 7' 7,' 8*-G 8$16 .+8,6' /0' 7,*-' . ,' $+0*7.' 8/+<$8' 2' .+<' .88/-<*+? =' *' 4.6' /0' 1$87' *15/- .+8,' /' 7,1' /' 3,' 7,' 0*-6' /' ,H' 7,*-' /4+' 6/-=2' .+<' /' , ' * ' *+' 7,*-' /4+' 4.=' ' 6 * ' 8/+ *+$,<+,8,66.-=2' 7/4,#,-2' 7.' 7,' *+?' 67/$<' .#/*<' . ' ,N8* *+?' 6$3B,8 6' /0' 8/+#,-6. */+2' .+<' 8/+6,G @$,+ =' 47,+2' /+' 7,' -<' /0' ,3-$.-=2' 7,' . ' ,+? 7' -,8,*#,<' 7*6' 6/+62' * ' 4.6' *+' 7,' 5-,6,+8,' /0' 7,' Q$,,+2' .+<' 4* 7' 7,' *+B$+8 */+' 7.' /+ =' /-<*+.-=' /5*86' 4,-,' /' 3,' <*68$66,<0' ' *?7' -,.6/+' .6' 7,' 7.<' /' 3,' 5 ,.6,<' 4* 7' 7,' 4/' -*+8,62' 7,' +,#,-7, ,66' 4,8/1,<' 7,1' 4* 7' /$87*+?' .00,8 */+' /' (/ /+,' *?3=' 7,' /36,-#,<2' .6

+,#,-' 6 ,<' ,.-6IL' /' .' 7,' #,-=' 1/1,+' 47,+' 7,' $,-,<' 7,' 4/-<6Z' 7,' ,.-6' 4,-,' -,.<=' /' 7$-6' 0-/1' 7*6' ,=,6 ' /' /-<' $8M*+?7.1Z' /-<' $M, ,=' 4-* ,6' /+' 7,' 0/ /4*+?' <.=Y ' /-<' F*+87, 6,.Z' 47/' 4.6V.' ,4' 7,' 47/ ,' *1,Z' /<' 1,' 7.' 7,' -*+8,' =;' $M,0/0')/-MZ' 7/$?7' .55/*+ ,<' .' /+,Z' <*<' +/' .--*#,' *' 7. 005.6' 7-,,[.+<' 7.Z' 47,+' 7,=' 8.1,' /$Z' 7,=' /<' (/ /+,' *?7=' 7.' 7,=' 4,-,' <, *?7 ,<' 4*7' 7,' *+?06' 3,*+?' 6/' 4, Z' .+<'-,1.-M,<' 7.' 4/' 7*+?6Z'*+' 7,'7. 007/$-06' 8/+0,-,+8,' 47*87' 7,='7.<' 4*7'7*1Z'7.<' 6-$8M' 7,1'#,-=' 0/-8*3=Y' 7.'7,'7.<' /36,-#,<' /' 7,1'7/4'1$87'3, ,-'7,'5.=,<' .'5*8@$,' 7.+' &-' (7.-,6' .4M*+6Z'.+<' 7.'6*+8,'7,' 7.<'3,,+'*'7,'3.<'-$33,<'$5'.'7*6' .*+ 0' +<' 7,6,' 0.8 6Z' 47*87' '0.8 6Z' ',N5,8' /'3,.-'1.?+*0*,<'3=' 7,' (.- /+' /$6,'-$++,-6'*+ /'*+6 .+8,6' /0'*+6.+*=L'A'

/-<' $M, ,='5-/#,<' / ,0'.3='8/--,8'*+'7*6'8/+B,8 $-,6' 7,'6.1,'<.=' F* *.1' --,+#* ,'4-* ,6' /' /-<' $8M*+?G 7.1Y ' 7,' 4/' -*+8,6' 4,-,'.' ,4'=,6 ,-<.=Z'.+<'6.4' 7,' *+?'*+' 7,'Q$,,+06'.5.-1,+' '7,'4.6'5-,6,+' 7,' 47/ ,' *1,Z'.'5-,8.$*/+'0/-'47*87Z' -/<M+/46Z' 7,-,'4.6' 3$' //'1$87'-,.6/+' 7,='M,5'7*1'4.**+?'.'8/+6*<,-.3,' *1,'3,0/-,' 7,=' .--*#,<Z'.+<Z'.0,-' 7,=' ,0'7*1Z'<-/#,' *11,<*., =' /' &-6' -16,.<06'*+' .-M06-,,Z'*+'7/5,6' /0'0*+<*+?' /N' 7,-,Z' /'?*#,'7*1'.+'.88/$+'/0'47.'7.< 5.66,<' ,'+/'3,*+?'*+' /4+Z' 7,='.1$6,<' 7,16,#,6' =,6 ,-<.=' ,#,+*+?'4*7'65-,.<*+?'.3/$'.'-,5/-'7.'7,' *+?'4.6'6*'/$'/0'7*6'1*+<Z'.+<'*+'@$/*+?'57-.6,6'/0' 7*6Z' /'47*87' 7,='?.#,'7.'$-+' '*6'8,-.*+='.'<,8,+' .+<'3,8/1*+?'7*+?'7.Z'47,+'.'7,' *+?06'57=6*8*.+6Z' .'7*6' .,+<.+6Z'.+<'7*6' 4/'5-*+8*5.'&*+*6,-6Z'.?-,,' *+'5-/+/$+8*+?'7*1'4,Z'7*6' 4/'6/+6'67/$<'<,+=' *' L'[

e

[' */7' *.:(1.-B#' "*.7' *##,73#' "#-(.7'(0' 12%*1/'<(%'""'+'U

' 4,+=00/$-'=,.-6'.0,-4.-<6Z'47,+'7,' *+?'4.6'0/-'7,'.6'*1,'.3/$-*+?'$+<,-' *+6.+*='4,'0*+<'7*1'1.M*+?'$6,'/0' .*+'4/-<6Z'*+'/-<,-' /'5-,#,+'7*6'1,.+*+?' 3,*+?'$+<,-6//<'3='7/6,'47/'/#,-7,.-<'7*1 Y *.-*,6' '*' 9' 'N3 9'5' 99

' $8M+?7.1' .5,-6Z'#/ '**'5'9 Z' ['3*<Z'55'9 W29 K

-' =*# (1' -),' *0-,.1((1' (0' -),' /*7' (1' =)":)' -),' "12'
.,:,"<,/')"# #(1#' -)*-'),' /,#+*-:),/' -),' 0(%%(="12' "19'
-,.,#-"12' %,--,.' -(' .' "--' C' "-- D' =."-,# E"%6,.0(.:,'
(1' -),' L-)' C'#)(=,/' ;,' -),' "123# ,>:,%%,1-' %,--,.DI

' : ' ' ; '

;;< =" , ' P '

C -'"# B=")' "10"1"-,'#*-"#0*:-"(1' -)*-' ' .,1,=' ;7' :(..,#+(1/G
,1:,' ="-)' .' "--' 67' *:A8*"1-"12')";' ="-)' ;7')*<"12' #,,1' -),'
."1:,' (0' E*%,# *1/' ;7' #,:(1/' #(1' *.,' =*# -*@,1' -)*-' -),'
:(1<,.#*-"(1' #)(8%/' 6,' 2,1,.*% *1/' :(./"*%'),7' #,,;,/' +,.G
0,:-%7' #*-"#0",/' ' :)(#,' -),' ; ,,-"12' #)(8%/' 6,' "1' -),' H8,,13#
+.-;,1-' -)*-' *%% +*.-",# ;"2)-')*<,' -)*-' :*8-"(1' =)":)' *-' -),'
+.,#,1-')(8.' :(8%/' 68-' 6,'58/":"(8#
C' /,#".,' .' "--' ="%% :(10,.' B=")' -),' (./')*1:,%%(.' -)*-'
*17' #-,+# =)":)' ;*7' 6,' 1,:,##*.7' 0(.' .*"#"12' -),' *118*% #8++%",#'
(.' *17' ;,*#;9,# -)*-' -),' "1-,.,#-# (0' -),' 1*-"(1' ;*7' .,A8".,'
#)(8%/' 1(-' 6,' 811,:,##*""%7' /,%*7,/' 0(.' ' 0,,%-),' =*.;,#-' 2.*-"G
-8/,' 0(.' -),' #8++(.-' *1/' *1>",-7' #)(=1' 67' -),' 1*-"(1' *-' %*.2,'
/8."12' ;7' -,/"(8# "%%1,##*=)":)' ' #)(8%/' "%% .,A8"-,' "0' ' /"/' 1(-'
="#)'-(' +.,<,1-' *17' 08.-),' /,%*7' "1' -)(#,' +86%":' ;,*#8.,# =)":)'
"-' ;*7' 6,' 1,:,##*.7' -(' 6."12#0(.=*./' -)"# 7,*.?-)(82)' ' ;8#-'
/,:681,' ,1-,."12' "1-(' *' +.,##8.,' (0' 68#"1,##' *1/' "1/,,/' 0(.' -),'
.,#-' (0' ;7' %"0,' #)*%% ,>+,:-' (-),.# -(' 08%0"% -),' /8-",# (0' -),".'
,;+%(7;,1-#' *1/' (1%7' @,,+' -)*-' #8+,."1-,1/"12' ,7,' =)":)' :*1'
6,' ,00,:-,/' ="-)(8-' %*6(8.' (.' 0*-"28,
' C%*;' ' *1>"(8# -(' #,,' .' "--' *17')(8.' -)*-' ;*7' #8"-')";' -(G
;(..(=' ;(.1"12' *#)"# :(1#-*1-' *--*:);,1-' -(' ;7' "1-,.,#-' *1/'
-)*-' (0' -),' +86%":' =)":)' *.,' "1#,+*.*6%,' ;8#-' ,<,.' +%*:,')";' "1'
-),' ;(#-' */<*1-*2,(8# %"2)-

C D-

' 88/-<*+?=2' /+' 3,'0/ /4*+?' <.=2' &-' * ' 4.*,<' /+'
7*6' '/#,-,*?+' +' 7*6'-, $-+' /' /+</+' 7,' /<' &-'
-,+#* ,' 7.' 7,' *+?' .55,.-,<' /' 3,'5,-0,8 ='0-,,'0-/1'
.H'<*63-<,-I 7.' 7*6' 1.++,-' 4.6' $+$6$. ='8/15/6,<.+<'
<*?+*0*,<2' .+<' 7.' 47,+' 7,' 65/M,' /0' 7*6' * +,66' * ' 4.6' .6' .

' *0,'/0' F*3,-0/-8,2'#/ '*'5' K
0' /6,06' *.-*,62'#/ '*'55' :2 ;' .-'' .+7/5,06' *0,'/0' * 2'#/ '** I 55,+<*N2'
5'#*' /1 *+,06' *0,'/0' * 2'#/2'**'5'_;2 -<',<**/+

@ *-,< 7,' *+?I' .' <*6 -,66*+?' @$,6 */+' 47*87' 7,' (7*,0' A$6 *8,' <*< 7*6' 3,6' 0/' 5.--=' E)/$-' &.B,60=2L' 7,2' -,5 *,<2' '1$6' 7,'.4.-,' /' 47.' -*. 6' /+,' *+' 7*6' 6* $.0' D */7' *6' ,N5/6,<L2'),-=' -$,2L' 6.*< 7,' *+?2' #,-=' -$,L' ' m ' D C E .-=' *+' &.-870 7,' *+?' 4.6' . /4,< /' -,6$1,' 7*6' 8.-<05.-*,6' 4* 7' 7*6' P @$,--*,6' *+' 7,' <-.4*+?0-//1' .' ,42'.+<' /+' 7,' 7' 7.<' .+' .00,8*+?' *+ ,-#*,4' 4* 7' .' +/3 ,1.+' 0/-' 47/*7' 7,',+ ,-.*+,<' 7,' -$,6' .00,8*/+' .+< -,65,8 2' ,/-?,' $M,' /0' &.-3/-/$?7' 7,' -873*67/5' /0' (.+ ,-3$-=' *+8*<,+ .=' 1,+*/+6' 7.' 7,' $M,' 4.6' 4* 7' 7,' *+?' 0/-' 7.0' .+' 7/$-2' .+< 7.' *6' &.B,6=' 5-,0' 6,+ ,< 7*1' y+' 7,' /88.6*/+' 4* 7' .+' .6-/+/1*8.' 4.87' E 7,' *+?2L' 4-* ,6' 7,' $M,' /' /-< $8M .+<2' 6,+' 0/-21,' /' ,4' 7,C/ 7,-' <.=2' .+<' 0/$+< 7*1' B$6' .6' 8/$< 4*67' .6' /' 7,. 7' .+< 65*-* 6' ,' 4.6' #,-=' M*+< /' 1,C *+<,,<' 0,.-' 3,7.#,<' *M,' .' 0//' 4*8,' 47* 6' 4.6' 4* 7' 7*12' 3$' 7,' .88/$+' /0' 7*6' 0,, *+?620' U82' 1/#,< 1,' 1$87' 7.' 8/$< +/' 7, 5* F .+< 7,' //M* '#,-=' M*+< =2' .+<' 4.6' .'?//<,.' .00,8 ,<7*16, 0L'0 7,' 0/ /1+?' 5 ,.6*+?' .+,8</ ,2 E8/++,8 ,< 4* 7' 7,' -,8/#,-=' /0' ,/-?,' 7,' 7*-<2*6' 0-/1' .+' .$ /?-.57' 1,1/0' -.+<$1' /0' 7,' . ,' .-' /0' /+6<. ,0' ' '/1,' 1/+ 76 .0 ,-' 7,' *+?06' -,8/#,-=' 0-/1' 7*6' 0*-6' * +,662' & - 000000 4.* ,< /+' *6' &.B,6=' .' F*+<6/-' /' -,8,*#,P7*6' 8/11.+<6' /+' 6/1,' 1. ,-6' 8/++,8 ,< 4* 7' 7*6' /00*8,' +' 8/+#,-6. */+2' 7,' <*68$66*/+6' /+' 7,' ,?,+8=' @$,6*/+' 4,-,' . $<,< /2' .+<' 7,' *+?2' 7.#*+?' .6M,< 6/1,' @$,6*/+62' 4,+' /+' 6.=G *+? Y P' /' 6.=' 7,' -$ 72' ' 7.#,' +,#,-' =,' //M,< *+ /' 7,

t' /-<' ,+=/+06' *.-=I' &.-87';' /-<' (.153, 6' *#,6'/0' 7,'(7.+8, /-62'#/' '#' 5'K:;' '.' .,-'5,-*/<'4,'0*+<' 7,' -*+8,'/0'F.,6',+<,.#/$-1?2' 7/$?7' /' * ,'5$-0' 5/6,2' '/3.*+'0-/1' /-<' (/-+4. *6'.+',N5-,66*/+'/0'.55-/#.'/0' 7,' $M,'/0') /-M06' 5/**8.EEe+<$8'<$-*+?' 7,' *+?06'* +,66Y*+8 $<*+?'/08/$-6,'.+'.55-/#.'/0' 7,' -*+8, 6' /4+' ''1$6'7/+,6 ='8/+0,662L'-,5*,6' 7,' .-'/+' 7,'9_7'/0' $?$62'9: 2' '7.2' *0' '7.<'3,,+'*+' +? .+<'*+' 7,'4*+ ,-' /0'9:;;0 29'67/$<'7.#,' 7/$?7'*' '1='<$ =2' 7/4,#,-'5.*+0$'*' 1*?7'7.#,'3,,+' /' 1,2' /'7.#,' .M,+' .' <*00,-,+' *+,'0-/1'7*6' /=.' *?7+,66'*+' .-*.1,+ 4 $ ' & '#/'**'55' W2' K $8M .+<' (/+,65/+<,+8,2'#/' 2'**'55' 2 9

5.5,-6 -, . *+? / *E .6 8/$ < +/ </ 6/ * 0/$+<
1=6, 0*+ . <*65/6* */+ / 0/-?*#, . 7/6, 4 */ +**?7 7.#,
.8 , < *+ . 1 .++,- 8/$ < +/ .55-/#`fD8$ +/4 0,,
1=6, 0 5-,5.-, < / ,N.1*+, 7,1   //7 7, ' .8-.1 ,+
7*6 <.= .+< 67. 3,?*+ 4* 7 7, 5.5,-6 501/--/4 +*/-+0
+? L F 7,+ . 7, 3,?++*+? /0 &.-87 7, *+? 6.4
7, P *67/5 /0 /+</+ 7, / < 7*1 7. ,#,+ 47,+ 7*6
* +,66 4.6 . 7, 4/-6 7*6 -$6 *+ /< 7.< +,#`-00/--
6.M,+ 7*1 .+< 7. 7*6 8/+0*<,+8, . /+, 7.< 3,,+ 7*6
6$55/- 0

+ 7, 9 7 /0 &.-87 7, <.= /+ 47*87 7, *+? 7.<
7, 6. *60.8 */+ /0 6, ,*+? 7*6 57=6*8*.+6 .M, 7,*-<,5.- $-,
0-/1 ,4 7,-, 4.6 ,N7*3* ,< . +*?7 *+ 7/+/$- /0 7*6
-,8/#,-= 7, 1/6 1.?+*0*8,+ * $1*+. */+ 7. 5,-7.56
,#,- *?7 ,<$5 7, 8.5* . /0 +? .+<.+<* 6 3,.$ *0$,+#*G
-/+6 7, -873*67/5 /0 (.+ ,-3$-= 47/ 3,7, < 7, 68,+,
0-/1 7, 4*+</46 /0 .13, 7 . .8, <,68-*3,6 7, * $1*G
+. */+6 .6 $+*#,-6. .+< 7, 6 -, , 6 .6 3,*+? .6 8-/4<,< .6
. 1*<<.= 6 0.- .6 7*6 -.8, 85$ < , .-+ 7, 3 .>, /0
*?7 , N ,+<,< ,#,+ / -, ,+4*87 .156 , .< .+< -,+ 0
0/-< A /+</+2C 4-* ,6 F-.N. 2 <*65 .=,< . 3 .>, /0
?7 0-/1 /+,0,N -, 1 = / 7, / 7,-I 7, * $1*+. */+6
,N ,+<*+?2 4* 7/$ . .+= 1, .57/-2 0-/1 .156 , .< .+<
*?7?. , / .57.12 .+< ,#,+ .6 0.- .6 // *+? I 47* , D
7, #.6 <*6 .+8, 3, 4, ,+ -, ,+4*87 .+< ,+6*+? /+
5-,6,+ , < 7, 6.1, <.>> *+? .55, .-.+8, 7, 5//-,6
1,87.+*86 8/+ -*3$, < 7, *- 5-/5/- */+2 .+< *+6 .+8,6 4 ,-,
,N7*3* , < /0 8/33 ,-6C 6 . 6 <,8/-. , <2 4* 7 /+, /- 4/
0.- 7*+? 8.+< ,6 L [Y 7, +. */+2L 4-* ,6 /-< &.8.$.=2
4.6 4* < 4* 7 <, *?7 + 7, ,#,+*+? /0 7, <.= /+
47*87 *6 &.B,6 = -,6$1 , < 7*6 0$+8 */+62 . 65/+ .+, /$6
* $1*+. */+2 7, 1/6 ?,+,-. 7. 7.< ,#,- 3,,+ 6,,+ *+

 /-*?*$0 v &,1/*-6 /0 .++.7 &/-,2 #/ **5 9_W
* $8M .+< (/+,65/+<,+8,2 #/ **2 5 9
[F-.N. 06 /6 7$1/$6 &,1/*-62 #/ ***2 55 K 2 :
<(. ; F

+? .+<2 3-*?7 ,+,< 7,' 47/ ,'#.6' 65.8,' 0-/1' *?7?. ,' /' // *+?2 .+<0-/1' .11,-61*7 /' -,,+4*87 L'
' 7*6' <.=2L' 4-* ,6' &*66' $-+,='0-/1' ,42' 4.6' .' <.=' /0' 7.55*+,66' *+<,,<L' 7,Q$,,+2 ,.#*+?' 7,' *+?' .7+/6' ./+,' 4*7' 7*6' /#,='.+<3, /#,<* ,' 87*<2 7,' -*+8,66' 1,*.2 8.--*,<7,', <,-' -*+8,66,6' 4*7' 7,-' /' 4*+,66' 7,' 65,+<*< 65,8.8,' /0' /+</+' *+' .'3.>,' /0' *?72 7$'+/'* 67,'7.<.--.+?,<.'5-*#.,'* $1*+.*/+' /0' 7,' 5..8,' .+<' /0' 7,' 8/$-=.-<' /0' ,42' 47*87' 67,' 7/5,<4/$<5-/#,'.'?-.*0=*+?' 6$-5-*6,' /' 7,-' 8/+6/-' ,-'.1*.3,'/3B,8'4.6'8-/4+,<4*7'6$88,66' /'6//+,-' 4,-,' 7,' -.+65.-,+8*,6' *?7,<$5' 7.+' 7,' * ,' -*+8,66' 1,*.' <-,4'7,-'0.7,-' /' 7,' 4*+<4' /0'.' 0-/+'-//12' 47,-,2 0.*+?' /+' 7,-' M+,,62' 67,' 5-,6,+,<7*1' 4*7' .' 8/5=' /0' 8/+?-.$./-=' #,-6,62' 4-* ,+2.' 7,' Q$,,+6' -,@$,62 3=' &*66' $-+,=2 8/+8 $<*+?' 4*7' 7,' 0/ /4*+?' 5/6 68-*5 Y

' 7,' * ,'3,00-8-'3/?6'.'M*66'
-/1'<,.-'5.5.'0/-'3-*+?*+?' 7*6 L

$'+,,< +/2' 7*+M2 ,' =/$2E@ 4-* ,6' 7,' .$7/-,66' /0' P #,*+.2@' 7.' 7,' * ,'3,.-,-'3,??,<+/'*+'#.*+' 7,' *+?' 4.6' ,N-,1,='5,.6,<' ,'8.1,'*+/'.'-//1'*+' 47*87'4,'7.<.'5.-='/'//M'.' 7,'* $1*+.*/+62.+<7,-,' 7,'6.=,<.3/#,'.+'7/$-287,,-0$2 8/15/6,<2.+<?-.8*/$6 LT' F7,+2.' 4/'/08/8M*+' 7,' 1/-+*+?2' 7,' Q$,,+'-,$-+,<

t' /-<'&.8.$.=06' */?-.57*,62'55'9 29 _
0 &.<.1,' -3.=06' *.-='.+<' ,,-62'#/''#''55';2''&/-,'7.+'6,#,+=06,#,+'=,.-6'7.#,'5.66,<'.4.='f9;KKX2 6*+8,' ,4' ..8,'4.6'*$1*+.,<'*+'7/+/*$#/0' ,/-?,' 06'-,8/#,-=2=,'7,'#,+,-.3,'.+<'.88/15*67,<'687/.'-'0-/1'47/6,'/3*?*+?' ,,-6'/'7,'.$7/-'7,'0/ /4*+?'5.66.?,'*6'.+',N-.82 6 H'6$-#*#,6

' ,,' $-5,1'6,+,80.1'
,?,-,2+,/'8* *.-0'8.-,+,1 L

''8.+'4,'-,1,13,-2L'7,'4-*,62' '7,'* $1*+.*/+6'/+' 7,' *+?06'.++/$+8,<'-,8/#,-=2'.+<'4.6'5-,6,+'47,+'7,'?-.+<'-.+65.-,+8='3='*.?*/' ,3,88.'4.6'5$'$5''*+' 7,'8/$-'0.8*+?' 7,'5.8,'*+ 7,',#,+*+?'/0'7,'9 7'/0'&.-872'9:;2 47*87'4.6'<,68-*X58'*+' 7,' 'A.1,606' (*-/+*8,C/0' 7,'9:7'/0'&.-87'/0'7.'=,.-' +' 7,'*+,6'.' *,'3/ /1'7,'4.6'<,68-*3,<.62Y

P *,'3,6'/0'*$63.+<62'0.*,-62'.+<'/0'0-*,+<6 C L

/ ,42 /7,-?-,. 6$*5-*6,67,0/$+<7, *+?6.+<*+?.7,5/-87 /7.+<7,-0-/17,-8.--*.?, .+</7.+M7,-0/- 7,?-.*0*8.*/+ 47*87 67,7.<.00/-<,<7*1 7,Q$,,+.+<-*+8,66,62L4-*,6 .++.7&/-,8.1,/6,,7,**$1*+.*/+62.+<<*<+//?,3.8M/ ,4**.0,-/+,/08/8M F7,+7,8/.87 6/55,<7,Q$,,+//M+/*8,/0.0*+,?,+ ,1.+47/8.1,/7,8/.870</-4*7/$ I7. 7*6 4.6 7,** ?7 47/8.1,/7.+<7,-/$ '7,68/<,<7*10/-3,*+?$5.+</$06/. ,f 3$7,?. .+ =-,5*,<7,8/$<+/5/66*3=?/ /3,<.+<6,,5**7,M+,4 67,4.6 6.0,IL0

+7,9 7/0&.-87 7,*+?4.6 4, ,+/$?7 /-,8,*#,7,8/+?-.$.*/+6/07,0 7C7 .+<7,+,N<.=7,@$* ,< ,40/-.0,4<.=6-,6*<,+8,.F*+<6/- F*+<6/-2L4-*,6 &*66 $-+,=7 8.1,/$ /1,,7,*+?4.6.B/=.1/$+*+?/,86 .8=8/$<+/M,,51=,=,6<-=.<.=/+?68,+,6/-,#,-6,<1 '.<+,666/64,, =, 87.+?,<0/-7.+M0$+,66.+<<,7?7 B

+7,0/ /4*+?<.=2 '$+<.=2 7,*+?Y,#,-6-*8*+7,5,-0/-1.+8,/07*6-,*?*/$6<$*,6Y-,8,*#,<7,/ ='.8-.1,+.7,7.+<6 /07*60.#/$-*,5-,.,2 *67/52 $-<+&.-87 7,9W72L4-*,6 7,*67/52

7,Q$,,+C6#*6*/ /+</+2 /4*+,66 7,H$1*+.*/+62 4.6 8,,3-.,<3=(/45,-*+'.'8/5=/0#,-6,6/0+/'#,-=',N-./-<*+.-=1,-* 7,0/ /4*+?27/4,#,-2*6'.'5,.61?6.+>.

.<67,8.1,7.'+*?7 /5-/#,2
="-1,##81/,#:.",/
/41$87 7,/3B,8/0 /#,
F.6/#,<3= **3,6*<,R

7,Q$,,+2**6,,162 4,+'*+ 7,0*-6'*+6.+8,2/ /-<. 7$-6 66 7/$6,'*+ *88.0<*H=2+/4 56,= /$6,2.+<.0,-4.-<6<-/#,'.3/$'7,'6-,, 6 4*7 7, -*+8,66,6'*+5-*#.,'8.--*.?,6 &,1/*-6/0 .++.7&/-,2#/ '**'5'9WW

'&.<.1,' C -3.=C6 &,1/*-62#/ '#'5'9 7,'*+?7.<5-,#*/$6='?/+,'/F*+<6/-0/-.+'7/$-/-4/+ 7,5-,8,<*+?'.$-<.='7,'*+?2L4-*,6 7,-873*67/5/0 (.+,-3*$=2 '/+?,< /'?/ /'F*+<6/-2.+<4/+ 4*7 7,Q$,,+/+'.$-<.=f 4.6.00,8,<3= 7,'.88.1.*/+6.+<B/=/0 7,5,/5,23$-,$-+,<3,0/-,6*N2 8/10/-.3,2 5,-0,8 =4, 2.+<7.55='*+'7.#*+?3,,+'7,-,L'Y'2$;
4 & '#/ '**'5'

A/ 1' ,13 ,2 4.6' 4* 7<-.4+' 0-/1' -$-=' .+,' 7,. -,'
.0 ,-'R.' -,5-,6,+ . */+' /0' /+ =' /+,' +*?7 2 0/-' +/' / 7,-'
-,.6/+' .55.-,+ =' 7.+' 7. ' * ' 3/-,' 7,' /3+/N*/$6' +.1,'
/0P 7,' ,?,+ C

4/' <*6 *+?$*67,<' 5,-6/+62 47/' 4,-,' .00/-<,<' /55/-G
$+* *,6' /0' 8/+#,-6*+?' 4* 7' 7,' *+?' . ' 7*6' *1,2 4,-,'
A.1,6' .--=2 7,' 5.*+ ,-2 /' 47/-$' 7,' *+?' 4.6' 6* *+?'
0/-' 7*6' 5/- -.* 2 .+<' '*-' '*<+,=' '1* 72 7,' 7,-/2/0' 8-,
'0,4'<.=6' .0 ,-' 7,' 7.+M6?*#*+?' *+' ' .$ 06' (. 7,<-. 2
_7,' *+?' *+@$*-,<' /0' .--=' 47, 7,-' 7,' 7.<' 7.<' .'?//<
#*`4' /0' 7,'5-/8,66*/+2 /' 47*87' 7,' .- *6' -,5 *,<' 7. ' 7,'
7.<' 6,,+' * ' /'?-,. ' .<#.+ .?,'0-/12.' 4*+</4' /+' $<?. ,'
* ' ' 7,+' =/$' 4,-,' 1/-,' 0/- $+. ,' 7.+' ' 4.62L' -,G
1.-M,<' 7,' *+?2' '0/-' ' 6.4' +/ 7*+?' 3$' 1=' 7/-6,6C
3.8M6 LE' 7,' *+?2L' 4-* ,6' '*-' '*<+,=' '1* 7' /' /-<'
$8M .+<' /+' 7,' <.=' .0 ,-' 7,' 7.+M6?*#*+?2' ' //M6'
7*++,-2 .+<' *6' 7-,,'6 /+,' *?7 ,-' 7.+' 7,' 4.6') /+' 4* '
6.=' =/$' 7.<' -. 7,-' 7,.-' /0' 7*6' 1*+<' 7.+' 7*6' 3/<=2 *+'
.+64,-' /' 47*87' '8.+' .66$-,' =/+' /0' 7,' ?//<+,66' /0' 7*6'
1,1/-=' .+<' 7,' 8/15/6$-,' /0' 7*6' 1.++,-2 0/-' ' 5$'
1=6, 0' *+' 7*6' 4.=' .' 0,4' <.=6' .?E' . ' F*+<6/-2 .+<' ?/'
D+,.-' ,+/$?7' /' 3,'65/M,+' /' ,. $<,<' /' 7,' *+ ,+ */+'
' 7.<' ,N5-,66,<' /' ?/' /' '5.*+2 47,+' 0 //M' ,.#,' /'?/'
.3-/.<' 4/' =,.-6' .?/2 .+<' 4.6' 1/-,' .88$-. ,' .6' /' 7,'
,N.8' 1/+ 7' *+' 47*87' ' -, $-+,<' 7.+' ' 8/$ <' 3,' . ' .'
1/1,+ 06' 4.-+*+?2 0/-' ' 1*6 //M' * 2 .+<' 7,' 8/--,8 ,<' 1,2
-,1,13,* *+?' 1=' 7.#*+?' M*66,<' 3.$<6' /+' 1=' .--*#. 2
3,0/-,' ' / 47*87' 7,' . $<,<' /' .6' 7,' 8*-8$16 .+8,'
7.' 1.<,' 7*1' -,1,13,-' 1=' 3,*+?' . ' 7,' ,#,,' /+' 1='
-, $-+ L'A

7,' Q$,,+' .+<' 7,' +/3* * =' 8, ,3-. ,<' 7,' *+?06' -,0

I' :%(%+%"8#3*' "0,' (0' ()1' *11"#-,.' <(%' "' +' U?' * ; +6,%%3#' "0,' (0' "%9#' "//(1#
<(%' "" ' +' U' M),' ,2,1-3 *' -.(2,/7' =*# ="--,1'67' ,.-",' .,*-6,,/' #A' (03
873#' %"00' E*.=":@#)".,' + & ' 0 /R ' <(%' """ ' +' ' I
-' ,(.2,' ' "#' (8.-'*1/' * ; "%7' <(%' "" ' +'
J' 8:@%*1/' (..,#+(1/,1:,' <(%' "" ' +' !

8/#,-=‘ 4* 7‘ .‘ 6,-*,6‘ /0‘ 3. 6‘ .+<‘ 0w ,6‘ 7,‘ -,+87‘
13.66.</-‘ ?.#,‘ .‘ 65 ,+<*<‘ ,+ ,- .*+1 ,+‘ .‘ 7,‘ 1G
3.66=‘ *+‘ /- .+<‘ .8,‘ I 7,‘ '5.+*67‘ 13.66.</-‘ .‘ 6 * ‘
1/-,‘ 1.?+*0*8,+‘ /+,‘ .‘ .+, .?7‘ F7* ,0‘ ($3‘ ?.#,‘
.‘ 0w ,‘ .‘ 7,‘ .+ 7,/+2‘ 7,‘ *8M, 6‘ 0/-‘ 47*87‘ 8/6‘ 7-,,‘
?$*+,.6‘ .+<‘ .‘7. 0‘,.87‘ I .+<‘,#,+‘ -//M60‘ 4.6‘67.1,<‘*+ /‘
?*#*+?‘ /+,‘ .‘ 7,‘ 5,-.‘ /$6,‘ $‘ 7/$?7‘ 7,‘ *+?‘
7.<‘ -,8/#,-,<‘ 7*6‘ -,.6/+2‘ .+< 7,‘ .<*,6‘ 7.<‘ ,0‘ /00‘ 7,*-‘
,?,+8=‘ 8.56‘ .+<‘ -*3.+<62‘ 5.- =‘ 0,, *+?‘ 8/+ *+$,<‘ /‘ -$+‘
C.6‘ 7*?7‘ .6‘ ,#,-‘ *+‘ 7,‘ 0.67*/+.3 ,‘ 4/- <‘ 7,‘ ‘ .<*,6‘ *+‘
55/6* */+‘L‘ -,0$6,<‘ /‘ ?-.8,‘ 7,‘ 0w ,‘ .‘ F7* ,0‘ 4* 7‘ 7,*-‘
5-,6,+8,2 47* ,‘ 7,‘ .<*,6‘ 47/‘ 6$55/- ,<‘ /#,-+1 ,+ L‘
.55,.-‘ /‘ 7.#,‘ 7,6* . ,<‘ 47, 7,-‘ 7,=‘ 67/$ <‘ .88,5‘ 7,‘
8M, 6‘ 6,+‘ 7,1‘ 0-/1‘ -//M60‘ C 7,‘ .<,62L‘ 4-* ,6‘
,+,-.‘ -.+2‘ .‘ 1,13,-‘ /0‘ F7* ,02‘ /‘ /-<‘ (/-+4. *62
/+‘ 7,‘ 9;‘7‘ /0‘ &.-872‘ ‘.-,‘ .‘ /‘ 3,‘ <-,66,<‘ *+‘ 47* ,‘ .+<
?/ <‘ +‘ 7,‘ 0-/+‘ /0‘ 7,*-‘ 8.56‘ 7,=‘ .-,‘ /‘ 7.#,‘ .‘ 1/ /‘
/0‘P /<‘ 6.#,‘ 7,‘ *+?‘C*+‘ ?/ <‘ , ,-6‘ 7,‘ -*+8,‘ .+<
$M,‘ /0‘) /-M‘ 4,-,‘ /00,-,<‘ *8M, 62 47*87‘ 7,=‘ -,0$6,<2 3$‘
<,6*-,<‘ /‘ 6$368-*3,‘ 7.‘ 4.6‘ .?-,,<‘ /2 3$‘ 7,=‘ .-,‘
+/‘ /‘ 8/1,‘ 7,‘ 55/6* */+‘ .<*,6‘ 0/ /4‘ 7,‘ ,N.15 ,2
.+<‘ <,8 *+,‘ 8/1*+?‘ /‘ 7,‘ 3. 2 3$‘ 7,-,‘ 5-/3.3 =‘ 4* ‘
3,‘ 6/1,‘ ,N8,5 */+6 L‘

$‘ 1/6‘ $+6,,1 =‘ /0‘ . ‘ 4.6‘ 7,‘ 8/+<$8‘ /0‘ 7,‘ -*+8,‘
/0‘ F. ,6‘ .+<‘ 7,‘ $M,‘ /0‘) /-M‘ 7,‘ 0/-1,-‘ +/‘ /+ =‘
,+<,.#/$-,<‘ /‘ <*66$.<,‘ 7*6‘ .8@$.*+ .+8,6‘ /‘ M,,5‘ .4.=‘
0-/1‘ 7,‘ ,+ ,- .*+1,+‘ .‘ F7* ,02 3$‘ 3/ 7‘ -*+8,6‘
.8 $. =‘ *+6$,<‘ 7,‘ 1,13,-6‘ /0‘ 7.‘ 8 $3‘ 3=‘ 6,+<*+?‘
7,*-‘ *8M, 6‘ /‘ //M7.10‘ *3-.-=2 *+‘ /+<06 -,,2 /‘ 3,‘
6/<‘ /‘ .+=‘ 6 -.+?,-‘ 7.‘ *+*?7‘ 7*+M‘ 5-/5,-‘ /‘ 5$-87.6,‘
7,1‘ 7,‘ $M,‘ /0‘) /-M2 * ‘ 4* ‘ 3,‘ -,1,13,-,<2 4.6‘
/‘ 7.#,‘ 3,,+‘ (/11.+<,-0*+0(7*,0‘ *+‘ 7,‘ ,#,+‘ /0‘ 7,‘
,?,+8=‘ <,#/ #*+?‘ $5/+‘ 7*6‘ , <,-‘ 3-/ 7,-‘ I =,2 +/ 4* 7G
6 .+<*+?‘ 7,‘ 7.<‘ 6/‘ -,8,+ =‘ 3,,+‘ +.1,<‘ 0/-‘ 7*6‘ 7*?7

7.< 3,,+ 7/$?7 /7,7/5,,66 .+< 47,+ 7,4/-<
4.60/8M*+? /6.$,7,-*6*+?6$+ 7,*67/5<,6*-/$6
/03,*+? -.+6.,< /7,'',/0' 6.57#.8.+3= 7,
<,.7 /0 -' 7*5,=7.<-,5.*-,< /+</+2.+<*+.
65,,87 8,-.*+ = /0+/1,.+1,-* <*6*+?$*67,<7*16,0
.6 7,/+ =5-,.,*+7,/$6,/0 /-<6 47/65/M,*+
0.#/$-/0-.+60,--*+?7,0$ 5/4,-6/07,.00*8,< *+?
/7*6 73,-*+,6/+ -$,**4.6 7.7,*67/5 6$3G
6,@$,+ =,+8/$-.?,<7,8,-?=/07*6<*/8,6,/<-.4$5
.<<-,66,6 /7,7-/+,*+47*87 7,-&.B,6=4.6<,68-*3,<
.6.5.,-+/0 5*, =.1*.3,+,66.+<5$-* =.6.Q$,,+
.4*0, .+<.6.1/7,-ÍL3$ *+.61$87.6 7,*+?.
7*6*1, 7.<-,6$1,<7*6-,?.0$+8*/+6 4,1$6.88,5
7,5.+,?=-*80/-.6 1$87.6 4,1.=8/+6*<,-**4/-7
67/$<7,1,+*/+,<7.+/+7,/88.6*/+/07,6*?7
8/15.*+,</03=7,*67/5 7,-*+8,/0F.,6 47/
4.66.+<*+?3=7,Q$,,+ 4,+/7,/55/6*,,N-,1,
/0.88/6*+? 7*1*+.1.-M,<.+<0.,-*+?1.++,-E.+</0
*+#**+?7*1/<*++,-7,*67/5 7/4,#,-0.*-=*+*G
1.,</7,-*+8,7.(.-/+ /$6,4.6.5-,6,+/+/
5-,8*6,=7,5.8,47,-,**4/$<3,5-$<,+0/-7*1/
<*+,.+<8/+6,@$,+=**4.6.--.+?,<7.7,,+,-.*+G
1,+67/$<.M,5.8,..7,7/$6,/0'*- 7/1.6 $+<.6
+/7,-*+<*#*<$.47/4.6-,.,<4*71.-M,<8/<+,66
7=7,Q$,,+/+7*6/88.6*/+4.67,$M,/0 /-7$13,-G
.+<'/1=/-<2L7,6.*</*67/5F.6/+ =/$.+<P
.-,.6/3,8/1,-.*/-6ÍL0

7/$?7**,*15-/#,1,+ 6*+8,7,*+?0 * +,66
7.<.M,+5.8,*+7,8/+<$8/07,-*+8,/0F.,6x+<
/07,$M,/0)/-M /4.-<6 7,*-0.7,-7,-,7.<+,#,-0
7,,66 3,,+.+**+,-#.6*+8,7*6-,8/#,-=*+47*87 7,=
7.<6-$??,<7.-<.7/$?7/**@5$-5/6,/**+<$8,

["#)(+F)"+%,7/",/'(1'-),'-)'(0 ,:,;6,.' ? "#)(+E*-#(13# #+,,:)'=*#
/,%"<,.,/'(1'-),' 1/'(0*18*.7'0(%%(="12' *."' "#-'<(%'>><""':(%' UL'c:'
-' "0,'(0 "#)"FM E*-#(1'67 ";#,%0'<(%'"'++'! L'!

,N. 1*+. */+ /0 1= 8/+8 $8 6,, 7, 6$-, 5-/65,8 /0 -,?.*+*+?7, 3 ,66*+?6 /0=/$- /#, .+< .55-/3. */+ I .+< 7,6, 67. ,#,-<,,1 .+ .15 , 8/15,+6. */+0/-. 7, <*6@$*, $<, 47*87 1{ ,+,1*,6 7.#, 7* 7,- /6$88,,<,< *+ ?*#*+?1, L

$2 a+,-?, *8.6*6 7, .+?$.?,8/+ .*+,<*+ 7*6 , ,-2 .6$36,@$,+ /+,2 .<<-,66,< 3= 7,0 -*+8, /7, *+?2*6 1.-M,< 3= . 1/6 6 -/+?,-.66,#,-. */+62 F,2L 4*0,6 7, -*+8,2 .?.*+65,.M*+?/0 7, $M,/0)/-M.6C4, .6 /07*16,02 7.#, ,#,-0/$+<=/$- &.B,6 =5,-6/+. '= M*+< .+<?//< /$6 F, 1/6 6/ ,1+ = .+<6,-*/$6 =8. -/< /4* +,66 7. 4, 7.#, 0, =/$- ?//<+,66 4* 7?-. * $<,2 .+<-,5.*<* 4* 7.00,8*/+.+<-,#,-,+8, L 7,6, .55,. 62 .67.6. -,.<=3,,+ 1,+*/+,<2 4,-, 1.<, /7 ,5$-5/6,I /47*87 8.$6,2 .55.-,+ =2 4, .-, /.68-*3, 7, -,+,4,< *+6$ 647*87 4, 0*+< /00,-,<3= 7, -*+8, /7*6 0.7,-.+< 1/7,-0 -/1 7/6,*+6$ 6,#,+7*6*++/8,+ 6*6 ,-6 4,-, +/ ,N,15 ,<A /-*+6 .+8,2 . /+, /0 7, 7. 6?*#,+ /+ 7, *+?06 -,8/#,-=2 7, .8 $. = 4,+ 6/0.-.6 /?.+8, 8/+ ,15 $/$6 = /+ 7, 5,-6/+ /0 7, -*+8,66 /=.2 8/+G #,=*+? 7, 8-$, *+6*+$. */+ 7. 67, 4.6*+ 7, 4.= /0 3,8/1*+? . 1/7,- H+7.55* = 7, 0/$ *+6*+$. */+ 4.6 5,-8,*#,< 3= 7, -*+8,662 47/.0 ,-4.-<6 7,-6, 0-,0,--,< /* *+ 8/+#,-6. */+ 4* 7H.<= .-8/$- [/-< $M, ,=2 0/$- <.=6 .0 ,- 7, 7.+M6?*#*+? . ' 2 .$ 062 65,.M6 /0 7, *+?06 1*+< 3,*+? /-+ /5*,8,6 3= 7*6 6/+6IL 7$ * 4.6 7, *+?-. * $<, /0 7, $M, /0)/-M 47*87 +. $-G . = .00,8 ,< 7*1 *+/6 <,,5 = M* 6 1,2L 7, /+, <.=

I *.% 8##,%%3# , ; (."*%# (0 (> <(% ""' +' !LU
-, ,-=,,1-),' H8,,1*1/-),, ."1:,'1(.,:(1:"%"*-"(1-((@+%*:,'-"R *.:) ; / ' 7' <(% ""' +' !LL
' <R1/,-),' ; *#@(0*--,1-"(1-(-),".'0*-),.'*1/' ; (-),. P=.-,# (./ 8%@,%(7 C-),' ."1:,'*1/-),' 8@,'(0 (.@:(; ; "- ,<,.7+(##"6%,' (8-.*2,'*1/ #)(=,<,.7 "1#8%-),7 :*1 /,<"#,-(-),; +3 % / & ' < ' "" ' +' L! -'-),' 2.,*- 0,-,' 2"<,1 67-),' .,1:) ; 6*##*/(.'B-(':,%,6.*-,'-),' "123# .,:(<,.7'=,' 0"1/'-),' ."1:,# /,:%"1"12-(' /*1:,'(.'#-*7#8++,.'C%,#-),7#)(8%/)*<,'-),' *++,*.*1:,'(0 +*7"12-),'#; *%%,#-*--,1-"(1-(',. *5,#-7D4#(' <(% ""' +' L
Z 0%/7 *.:(8.-3 "*.7? *##,73# "#-(.7(0 12%*1/' <(% ""' +' U '1(-,

F ‘L X ‘ ‘ ‘ ‘

. .-1‘ . ‘ 7,‘ *1 1*+,+‘ <.+?,-‘ 4 **8 *‘ 7.<‘ 7-,. ,+,<‘ 7,‘ *0,‘ /0‘ 1=‘ 3-/ 7,-‘ 7$‘ .+‘ 7/$-‘ 3,0/-,2‘ /0‘ B/=‘ .+<‘ 6. *60.8G */+‘ . ‘ 7*6‘ 6.0, =2‘ /-‘ /0‘ ?,+,-. ‘ ,+<,-+,66‘ .+<‘ .00,8 */+‘ /4 .-<6‘ 7*12‘ 4 **87‘ 1*?7‘ .55,.-‘ +. $-. ‘*+‘ 1/1,+ 6‘ 7$6‘ .00,8 *+? L‘ ‘ #*<,+ =2‘ 7,‘ Q$,,+06‘ *+<*?+. */+‘ . ‘ 7,‘ -,. 1,+‘ 47*87‘ 7,-‘ 8/+6/-‘ 7.<‘ 1,‘ 4* 7‘ 0-/1‘ 7*6‘ 6/+6‘ 7.<‘ . 1/6‘ ?/‘ 7,‘ 3, ,-‘ /0‘ 7,-‘ 0,, *+?6‘ .6‘ .‘ 1/ 7,-

,,‘ */‘ 8##,%%B#‘ , ; (."*%#‘ (0‘ (>‘<(%‘""‘+‘ !U

(

K58/2,' *./"12,3'"1-,.<",='="-)'-),' "12 4 (7*% .(2.,## 4 %"," (8.-'1-' E,7G ; (8-) 4'$"#"-#'-(' >,-,.' *%-.*;'*1/' %7; (8-) 4 ,-8.1'-(' E"1/#(.4 ,*-)' (0'-),' 8@,' (0' 8;6,.%*1/4)(' *.-,.' (00,.,/'-(' "--' 68-' /,:%"1,/'4),' 8@,' (0' %*.,1:,B#/"<,.-"12' :(1/8:-'(1'-),' "123#6".-)/*7'4' "## 8.1,73# *::(81-'(0')..'0*.,=,R'-('-),' (;-4 8":"/,'(0' *;,# 8-),.%*1/4 *.."*2,' (0'-),' 8@,'(0' (.@4 ,:(1:"%"*-"(1'(0'-),' H8,,;'*1/'-),' ."1:,' (0'E*%,# 4'),' ."1:,3#/,6-#4' ((%1,##6,-=,,1')";'*1/'-),' 8@,'(0' (.@4';6*.G .*##;,1-'(0'-),' 8@,3#*0"*".#

! '.-,'+/'8*-8$16.+8,62'.6'4,'7.#,'.-,.<='-,1.-M,<2' $+<,-'47*87' -,/-?,' 7,' 7*-<'0*?$-,6'*+'.'1/-,'0.<#.+G .?,/$6'*?72'7.+'47,+'4,'1,,'4*7'7*1'*+7,'6/8*,='/0'7,'4*6,2'7,'.88/15*67,<2'.+<'7,'?//<I'.+/7,-',N.15,'/0'47*87'*6'.00/-<,<'7='7,'0/ /4*+?'?-.57*8' .88/$+'0-/1'7,'5,+'/0'7,'.88/15*67,<'A$<?,' .-<0'*+?,2' '/*8*/-0 ,+,-.'/'7,'Q$,,+2'/0'.+'*+ ,-#*,4' 4*7'47*87'7,'4.6'7/+/$-,<'3='7*6''/#,-,*?+'.'F*+<6/-2'.'67/-'*1,'.0,-' *6'&.B,6=06'7.55='-,8/#,-=' Y '.--*#,<'.'7,'Q$,,+06' /<?,'.'4,#,2'.+<'4.6' 8.--*,<'/'7,'@$,,--*,6C'-//1' (//+,' *?7='8.1,'/' 1,2'8*#*'.+<'?,+ ,1.+*M,' ,'87. ,<'4*7'1,'0/-

I' ,(.2,' *./"12,' #A'=*#-),'#(1'(0'-),'*::(;+%"#),/' ":)(%*# *"/"12('."1:"+*% %,.@'(0'-),' (8#,'(0' (;;(1#' ('=*#6(;' 1/'(0'81,' UU'=*#,/8:*-,/'*-' -(1'*1/'*0-,.=*./#*-' ."1"-7' (%%,2,' *;6."/2,'=),.,' "#)(+'E*-#(1'=*#)"#-8-(.'*1/'=*#86#,A8,1-%7':*R,/'-('-),' *.'67'-),' (:",-7'(0'-),' "//%,' ,;+%,'),'"1-,.,#-'(0')"#81:%,' (./' *;/,1'(6-*"1,/'0(.')";'-),'.*1@'(0' ,.2,*1-9*-9 *='?"1' ')','=*#1(;"1*-,/' (%":"-(.9 ,1,.*%-('-),' H8,,1?"1' ')('=*#;*/,'*'E,%#)'8/2,'*1/'-=('7,*.#*0-,.=*./#' --(.1,79' ,1,.*%-('),.' *5,#-7' ,'/",/'=),1'(1':".:8"-'*-' .,#-,"21,'"1' */1(.#)"., -)' +.%' '"1'-),'#,<,1-79#,:(1/'7,*.'(0')"#*2,' 1'*::(81-'(0'8/2,' *./"12,' *1/'(0')"#=."-"12#="%6('0(81/'"1' ":)(%#3# ?3 ' ' '* 9'E 9' ' " '4 3 9'<(%'"""'++' 'c:

78. 00.$0 */$-2 .+<2 47,+' 7,' ,0' 1,2 6.*< 7,' 4/$ < ,' 7,' *+?' 8+/4B D7-/$?7' ,+,-.' .-8/$-2 ' 4.6' 7,-,' +' .' 0,4' 1*+$,6' ' 4.6' ?. .+ ,< $56 .*-6' *+ /' &.<.1,' '874, ,+7,-?06' <*+*+?' .5.- 1,+ ' 7,-,' '0/$+< ,+,-.' .-8/$-2 47/' *6' .' #,-=' .?-,,.3 ,' 1.+' ,' / < 1,' 7.' 47,+' 7,' *+?2 47/' 4.6' ?/*+?' /' 7,' (.6 ,' /' -,8,*#,' 7,' <<-,66' /0' 7,' (,-?=2 67/$ < 8/1,' /$' /0' 7*6' .5.- G 1,+ 2 7,' 4/$ < ,' 7*1' M+/4' .+< -,8,*#,' 7*6' 8/11.+<6' +' .' @$.- ,-' /0' .+' 7/$-' 4/' -/=.' 8/.87,6' 8.1,' /' 7,' </!-2 .+< .+' ,@$,--=' 7.+<,< 7,' Q$,,+' *+ /' 7,' 0*-6' 7,' *+?' 0/ /4,< 7,-2 4* 7/$' .' 7/$?7 2 .55.-,+ =2 /0' 5//-' 1,I -*+8,66' /=.' .+< -*+8,66' $?$6 .' 0/ /4,<' 7*6' 0* ,< 7,' 0*-6' 8/.87' $13,-' 4/' 7.< -*+8,66' *>.3, 7' .+< .' 3,<87.13,-' 4/1.+' 7,+2 .0// 2 1=' 0-*,+<6' *?3=' .+< .-8/$-

' F7,+' 7,=' 4,-,' 0 /4+2 7,' 5/- ,-' 8.-+,' /' 1,' .+< 6.*< ,+,-.' .-8/$-' 7.< +.1,< 1,' /' 7,' *+?2 3$' 7.' *6' &.B,6 =2 3,*+?'*+' .' ?-,.' 7$--=2 7.< 6.*< +/ 7*+?I 7.2 *0' ' 5,.6,<2 ' 1*?7' 4.*' * ' *6' &.B,6 =06' -, $-+2 4*+872 7,' 5/- ,-' 6.*<2 4/$ <2 3,' *+' .1' 7/$-' .+< .' 7.0' 7*62 ' 7/$?7 2 4.6' .6' 1$87' .6' /' 6.=Y 0' =/$' ?/2 =/$' 4*' +/' 3,' 1*66,<' +' 7.00.+07/$-' &-6' '874, ,+3,-?06' ,-1.+' 0// 1.+E8.1,' /' .=' 7,' 8/72 .+< 5-/<$8,< 7,' <*+*+?' .55.-. $6' /-' 4.+' /0' /88$5. */+' '0/ 1,< .+' .8@$.*+ .+8,' 4* 72]x12 .+< ,.-+' 7.' &.<.1,' '874, 0' ,+3,-?' 6.' .' 7,' 7,.< /0' *,' .3 ,2 7,' &*66,6' $-+,=' .2+< .+ .' -*?7' .+<0 ,0' /07,-2 .+< .+=' #*6* /-' .' 3/ /1' 7,' -//1' *6 5-, =' ,+/$?72 .+< 8 ,.+2 3$' 0$-+*67,< 4* 7' .' 87,.5' M*+< /0' 5.5,-' .+< *+,+' 8$- .*+6' 36,-#*+?' .' .-?,' BX*,8,' /0' ,-1.+' 3-,.<2 ' 0,' /2 .+< . ,' .' 5/$+< /0' * ' 7,' 7/$-' .+< .' 7. 0' 7.#*+?' ,N5*-,<2 7,' -,?}*6' -, $-+,<2 .+< 7,+' '7,.-< 7,' Q$,,+' 1/6' 8/+<,68,+<*+? =' 6.=Y P /'0*+< /$' &-' .-<*+?,2 .+< 3,?' 7*1' /' 8/1,' .+< 6,,' $6 C

' ,-' 3$,-' /$' /0' *#,-=' 8.1,' *+' /' 1,2 .+< <,6*-,<

?-.8*/$6 3/4 .+< 6.*<0-*0P . .1 ?/*+? /1=<*++,-C 4.6 +,.- 7, </!-1.<, ./4 3/4 /7, 0,1.,6 .+< <,5.-,<L D 0
+ 7, W3/0A$+,7, *+?3= 7, .<#*8, /0 7*6 57=6*8*.+6 6, /$ 0-/1 F*+<6/- 4*7 7, *+ ,+*/+ /0 5.66*+? 7, 6$11,-. F,=1/$7 .+<#*6* *+? 7, 6/$7G 4,6 ,-+5/-*/+ /0 7*6 </1*+*/+6 02 3,0/-, 7*6 * +,66 7*6 6$3B,86 *+ 7, -$-. <*6 -*86 7.< -,8,*#,< 7*1 4*7 ,N -./-<*+.-=1.-M6 /0 /=. = *+< /#,7 ,*- 8/+?-. $G . */+6 +/4 *. 7, 7.< -,8/#,-,<7 .1/$+ ,< /5/6* *#, ,+7$6*.61 -/1 7, <.=/0 7*6 <,5.- $-, 0-/1 F*+<6/-7 /7, <.=/0 7*6 -, $-+7 7*6 5-/?-,66 -,6,13 ,<. -*$157 -87,6 /0 .$-,6 .+< 0/4,-6 3.+<6 /0 1$6*8 .+< 7, .88.1. */+6 .+<3 ,66*+?6 /0 .66,13 ,< 7/$6.+<6 ?-,, ,< 7*1 *+ ,#,-= /4+ .+<#* .?, 7-/$?7 47*87 7, 5.66,< -*-6 4*7 87.5, 6LY4-* ,6 &*66 $-+,=7 47/ .88/1G 5.+*,< 7, Q$,,+Y 3,.$*0$ =/$+? 8-,. $-,6 6 -,4,< 7, ,+ -.+8, /0 7, #.-*/$6 #* .?,6 4*7 0/4,-6L0 + 7,8/+0*+,6 /0 7, ,4 /-,6 .3.+< /00/-,6 ,-6 *+ 7,*-7.3*6 /0 ?-,,+7 5-,6,+ ,< 7*1 .88/-<*+? /.+8*,+ 0,$<. 8$6 /1 4*7 .8/$5 , /0 1*M047* , ?-,=7/$+<6 4,.-*+? 6*#,-8/ .-6 .+< ,< 3= 6*M,+ 8/-<6 $-*+? 7, 0*#, <.=6 7. 7, -,6*<,< *+ 7, / <7$+ *+?0 /<?, /0 7, *1, /0 (7.-,6 7, ',8/+<7 2. =+<7$-6 7 7*6 ?$.-< 8/+6*6 ,< /0 3/41,+ .+< .-87,-6 *+ .55-/5-*. , 6=#.+ 8/6 $1,6 ,.6.+ ,N8$-6*/+6 4,-, 1.<, /7, 6,#,-. 65/6 /0 7*6 /-*8. *+ ,-,6 7 /- /0 -$-. 3,.$ =7 *+ 7, +,*?73/$-7//< +7, :7 /+7*6 4.= / /<-,4//<7 ,+7, 6,. /0 /-< ,.4.--7 7, 6//< /+7, 65/ 47,-, 7, .--/4 /0 '*- F. , =--, 7.< 5*,-8,< 7, 7,.- /0 F* *.1 $0$6I .+<*+ 7, ,#,+*+?7 /+ **- (*007 +,.- =1*+? /+7, ?.>,< /+7, 4*<, 5-/6BE,8 3= 47*87 * *6 6$--/$+<,< #,-=47,-, 7, 6.1, -,B/*8*+?6

*87/ 6G6 *,-.-= *6 /-=/0 7, *?7 ,,+ 7 (,+ $-=7 =/ '***' 55 9W09:
-* */*;, 3 .6%*78# "*.7*1/ ,--,.#'<(%'<'+'!

.+< 8/+?-. $. */+6 .4.* ,< 7*1 ' '/ -.5 $-/$62 *+<,,<2
Y6/ .- ,66 .+< <*6*+ ,-,6 ,< Y4,-,' 7,' ,#*<,+8,6 /0 7,'
5,/5 ,06 /=. =2 7.' &*66 $-+,=4-* ,6Y .66$-,'=/$'
' 8-*,< 4,+ =' *1,6 *+' 7,' <.=L' #,+' *+' 7,' 61.'
P5.-*67087$-87 /0 =+<7$-6 Y47*87 7,' .+?' <,#/$ ='
. ,+<,< 4*7 7*6 0.1*=Y 7,' 8/+?-,?. */+' 4.6 $+.3 ,'
/ -,5-,66 *6 ,+7$6*.612 .+<2 *+6 ,.< /0 .' 56. 12 6$36 *G
$,< ' 0/< 6.#,' 7,' *+?L' '&*65 .8,<2L' 4-* ,6 &*66
$-+,=2 '.6 7*6 4.6 *+' .' 87$-872 *6 *+ ,+'4.6 6/ M*+<2
/=.2 .+< .00,8*/+. ,2 7.' '3, *,#,' 7,-,'4.6 +/' .'<-=2
,=,' .5*/+?6' ,* 7,-' 6*+?,-6 /-'7,.-,-6L' ' 7,' *+?2 /+'
76 5.-2 6,,16 /' 7.#,' 1*66,< +/' /55/-*1*=' /0 </*+?'
?//< /-' /0 .00/-<*+?' 5 ,.6$-,' /' /7,-6' -/$3 ,6/1,'
/' 7*12 .6 1$6' /0 ,+' 7.#,' 3,,+' 7,' 5-,66$-,'/0 ,.?,-'
8-/4<62' 7,' <*68/-<.+8,' /0 *+<*00,-,+' 3.+<6 /0 1$6*82
.+< 7,' #.-*/$6 .<<-,66,6 .+< 0,78*. */-*6 /0 7,' 8*#*8
.$7/-**,6*+' 7,'6,#,-.' /4+6 47*87 7,'#*6* ,<2 7,'+,#,-G
7,,66 87,,-0$ =' .+< $+8/15 .*+*+?='5$' $5 4*7 ,#,-='
+8/+#,+,+8,I -,4.-<,< 3=' 7,' 8/+6*<,-. */+' 7.' 7,'
4.6 .3,' /' ?-. *0=' 7*6 5,/5 ,2 .+< 7.E5=' 6/ /+?' .6 7,'
6.4 7/6,'.-/$+< 7*1' .6/ 7.55=' +' ,#,-=' 6* $. */+' *+'
47*87 7,' 0/$+< 7*16,0 <$-*+?' 7*6 5-/?-,66Y47,7,-2
/+' 7,' '.33. 70<.=2 4. M*+?' $+/6 ,+ . */$6 =' 4*7 7,'
Q$,,+' .+< 7,-' <.$?7 ,-6 /' 7,' +,.-,6' #* .?,' 87$-87Y'
47,7,-' M+,, *+?C/+' 7,' <,8M /0 /+,' /0 7*6 /4+' 67*56
/0 4.-2 3,+,. 7C .' 8.+/5=' /0 0.?62 4*7 7 0 3*++.8,'
6,-#*+?' 3/7 0/-' . .-' .+< 5$ 5* Y47,7,-' .1$6*+?' 7*1G
6,0 4*7 4*+,66*+?' 7,' 3$,0B.8M,6 <.+8*+?0 7,*-' 7/-+G
5*5,6Y47,7,-' 87. *+?' 4*7 7,' 1/4,-6 .' =+<7$-6'
/-' 7,' 7.=1.M,-6 .' F,=1/$7Y47,7,-' <-,+87,< /'
7,' 6M*+' 4*7 7*6 <.$?7 ,-6 *+' .' -/$?7 6,.' *+' .+' /5,+'
3/.' *+' /- .+< /.<62 /-' 6.**+?2 .' 61*,6 .+< 7.55*G
+,662 .1*<6' .' 0,,' /0 5,.6$-,03/.6 3,+,.7 7,' -*87
3,.$*,6 /0 &/$+' <?8$13,Y4,' 0*+< 7*6 8/+<$8' <*60

*+? *67,<23= .M*+<+,662 .?//<07$1/$-2 .+< .8/+<,0 68,+6*/+2 /0 47*870 * 4/$ < 7,<*00*8$ /<*68/=,- .1/-, .1*.3 ,,N.15 ,
+ 7, 7 /0 A$+, 7, -/=. 5.- =@$* ,< =+<7$-6 0/- F,=1/$ 722 47,-, 7,= .--*#,< *+ 7, 8/$-6, /0 7, ,#,+*+?

" J (; /

#?@ ,A " 3 9 !

A, +.*5.6 5~#/$6 `8-*-, .#.+ .$B/$-<7$*2 1.87a- &.<.1, A, ,16+, C.5/*+ 5,-1*6 A, #/$6 .66$-, @$, BC.$-.* 3*,+ #/$ $ #/$6 `8-*-, @$, @$,6 *?+,6 <, =+< *$-6 2 1.*6 5,+<.+ +/ -, 6`B/$- p +/$6 +/$6 6/11,6 -a6 3*,+ .1$6 5.- ,6 <*00`-,+ ,6 8/$-6,6 @$, +/$6 .#/+6 0.* ,6 A, +, 8-/*6 5.6 @$, BC.* ` 5 $6 <, -/*6 @$.* 6 <07,$-, p .1.*6/+25,+<.+ /$ , .B/$-+`, /$6 .#/+6 #$ '/$7.15 /+2 =1*+?/+2 /<-,4//<2 $-< , (*00 .+6 +/ -, 87,1*+ p /<*0,4//<2 @$* .55.-*,+ p 1= /-< , p4.-2 +/$6 6/11,6 5.66 $+ 5,$0 5 $6 /*+ <.+6 ,0/-w 5/$- #/*- $+, 5*,--, `-*?`, 5.- ,5a-, <, 1= /-< , .4.- 6$- C,+G <-/* /| * .#$ 8-/^-, ,+8/-, C.-3-, @$* . -, $ C.-8 @$* . $` , /* F* *.1 , 1/<a , <, 8, , 5*,--, ,6 0.* <$+ 1/- ,.$ <, .-. *$, <, 8, , .-3-,
"/$6 +, #/$6 5/$#,> *1.?*+,- .B/*, @$C/+ .1/+ - 5.- /$ /| , /* .5.66` A, #/$6 .66$-, @$, 8C /* 5-,6@$, -/5 5.- /$ /+ .87.+ P /<6.#, 7, *+?C A, 1, 6$6 3*,+ .1$6 , B/$- @$, +/$6 6/11,6 .--*# p =$<7$-6 2 <C,+ ,+<-, <*-, p $+ 5.$#-, 7/11,2YP .1 6/ 6/--= 4, 7.#, +/ 3.+< 0/- 7, *+?* *6 6/ 7.-<7, 7.6 +/ 1$6*82 .6 7, /#,6 * 6/ 1$87C , B/$- .5-a6 +/$6 .#/+6 ,$ $+, -/15, ,2 </+ C7.-1/+*, +C` /* 5.6 <,6 5 $6 .?-`.3 , ,$NB/$-6 .5-a62 $+ 3.66/+ AC.* #$ $+, <.1, p =+<0 31 6 @$* 1C.<* @$, ,6 ?,+6 <, '/$7.15 /+ , <,6 ,+#*-/+6 <, =+<7$-6 ` /*,+ ,6 1,* ,$-6 8-`.$-,6 .$ 1/+<, @$C, , .#/* , ,01w1, p =1*+?/+ $+, 1.*6/+ /| , , #*#.* 5 $6 <, <*N 6,1.*+,6 6.+6 B.1.*6 .#/*- .5/- , <, 6.1.*6/+0,-1` +*B/$- +* +$* 2 , @$C, , +C.5.6 1w1, 5,-<$ $+, -$3.+ <*,$2 1.87a-, &.<.1, (-/=,> 1/* /$B/$-6 #/ -, .1*,2

2 7% 1 8 9

<<* */+.' & ' '9 2W; 20 W' -* *67' & $6,$1

*?7 0$' .+< 1$870*15-/#,< 65*-* 6' ' .?-,,' 7,' +,#,-' //M,< 3, ,- L ' ' F,=1/$ 7 *+<,,<Y?-. ,0$' /' ,.#,+' 0/-' 7*6 -,8/#,-=' 0-/1' 7*6 0,.-0$' 1. .<= .+< 68.-8, =' ,66?-. ,0$' /' 7*6 6$3B,8 6 0/-' 7,' 5-//06 R47*87 7,=' ?.#,' 7*1' /0 7,*-' . .8771,+ Y7,' 6,,16 /' 7.#,' 7/-/$?7 =' ,+B/=,< 7*16, 0' *6 8$6 /1'R4.6 /' -*6,' . ' 6*N /08 /8M /' 4. M /+' 7,' .-.<,' * ' ,*?7 /' 3-,.M0.6' . ' ,+ /' -*<,' * ' 7-,, .+< /' 6*' </4+' /' <*++,-' . ' 0/$-0 +' 7,' '$+<.=' ,#,+*+?6 7,' *+?4* 7' 7,' Q$,,+' .+< 7,-' <.$?7 ,-6 6. =' 0-,@$,+ ,< 7,' 5$3 *8 -//16 <-*+M*+?' ,.' *+' .+' *++,-' .5.- 1,+ 3$' ,.#*+?' 7,'</-' 4*<,' /5,+ 6/' 7.' 7,' -/=.' 5.- =' 8/$< 3,' 6,,+' 3=' 7,' 8/15.+=' '/1,*1,6 7,' *+?' #.-*,< 7,' /88$5. */+6 /0 7,' <.=' 3=' .' #*6*' /' 7,' P &.?+*0*8,+'C *+,0/003. ,' 67*52 /-' 3=' .' 8-$*6,' *+' 7,' P '/$7.15 /+'C0-*?. ,2 3/ 7 /0 47*87 #,66, 6 .=' /00 7,' /4+' <$-*+?' 7*6 #*6* 2 /-' ,6,' 1.<,' *+ .+< ,N8$-6*/+6 /' $ 4/-7' (.6 ,2 '7,-3/-+,' (.6 ,2 .+< /7,-' 5.8,6 /0*+ ,-,6'*+' 7,' +,*?73/$-7//<

7,' *+?06 6/B/$-+' 3=' 7,' 6,.06*<,' +. $-. =' . -.8 ,< /' 7,' 7,+' 61. ' .+< @$*,' 4. ,-*+?05 .8,' /0 F,=1/$ 7 +/' /+ =' 7,' &*+*6 ,-6 /0 ' . ,2 3$' / 7,-' 5,-6/+6 8, ,3-. ,< *+' 7,*-' <.=' ,-,' &*66 $-+,=' 0/-' 7,' 0*-6' *1,' 3,7, < &-' * 2 /0 47/1' 67,' 0/-1,< 7,' 8/+8,5 */+' 7.' 7*6 5,-G 6/+.' .55,.-.+8,2 '+,* 7,-' +/3 ,' +/-' ,N5-,66*#,2L' 4.6 7*6 ,.6' -,8/11,+<. */+' ' 4.6 /+' 7,' F,=1/$ 7 6.+<6 .6/' 7.' 67,' .88*<,+ . =' ,+8/$+ ,-,< '.' .<=' /0 .' #,-=' 1.B,6 *8 5/-' .+< <,1,.+/$-2L' .+< /0 #,-=' $+8/11/+' 3,.$ =2L' 47/6,' '6/ ,1+' 6. $. */+' L' 67,' 7.6 -,8/-<,<' ' 4.6 +/' ,66 .' 5,-6/+.?,' 7.+' &-6' '*<</+6' 7,' *+?' ,#,-' //M .' 5 ,.6$-,' *+' 7,' 7,. -,2 .+< .88/-<*+? =2 $+<,-' 7,' 6$5,-*+ ,+<,+8,' /0 /-< (7,6 ,-0*, <2 7,' ?-,. ' .8 -,662 . 7/$?7 *+' *+<*00,-,+' 7,. 72 4.6 *+<$8,< /' .55,.-' /+

I' */*;,' 3 .6%*73#' "*.7*1/' ,--,.#'<("'<'+'!L'
-M *.%' -*1)(+,B#' "0,'(0' "--'<("'""'+'!
' */*;,' 3 .6%*73#' "*.7*1/' ,--,.#'<("'<'+'U

-, $-+' 7/1,4.-<6' 7,' 4/' 6$88,,<*+?' <.=6' .+<' +*?7 6' 4,-,' 5.66,<' . ' /+?,,.2 7,' 6,.' /0' 7,' &.-@$*6' /0' .72.+<' 7,' 7*-<' +*?7' . ' / ,+7.1' .-M2 7,' 6,.' /0' 7,' .-' /0' * ,67$-=2.' 47*87' 5.8,' 7,' 3,<*+' 47*87' 7,*-' &.B,6*,6' 6 ,5' *6' 6.*<' /' 7.#,' 8/6' 7,' +/3,' /4+,-' /0' 7,' 1.+6*/+' +/' ,66' .' 6$1' 7.+' +*+,' 7$+<-,<' 5/$+<6 ' +' 7,' 9; 7' 7,' *+?' .--*#,<.' F*+<6/-2 47,-,2 .0,-' 4,#,' 4,,M6C .36,+8,2 7,' 4.6' . /4,<' 7,' ,N@$*6*,' 5,.6$-,' /0' .?.*+' ,13-.8*+?' 7,' 0.*-' .+<' ,+?.?*+?' 87*<' 47/1' 7,' 6/' ,+<,-=' /#,<' ' 7.#,' 7,' 5,.6$-,' /0' .8@$.*+ *+?'=/$2 1=' /-<LY 4-* ,6' Q$,,+' (7.-/ ,' /' 7,' *67/5' /0' F/-8,6,-Y 7.' *6' &.B,6='*62 7.+M' -/<I' @$*,' 4,' I' 7.' /$-' 6,.0,N8$-6*/+6' 5-/#,<' /0' ?-,.' 3,+,0*' /' 7*1' I' .+<' 7.2*+' 5/*+' /0' 3/<*='N,-8*6,2 7,' *6' #,-=' 8.-,0$' +<2 7/$?7' 7$+ *+?' *6' +/' @$*,' ?*#,+' /#,-2 =,' </' 4,' -,.<*='6.='.' 7/1,' 47,+' 7,' 8 /$<6' 7-,.,+' $6' 4*7' 6/-16' F,' 7.#,' .6/' 7.<#,-=' ?//<.88/$+6' /0' 1=' 6/+' $?$6 $62 47/' 1$6' 3=' 7*6' *1,' 7.#,' .--*#,<.' *6.' 7*6' /$-' *6' 1.<,' 0/-' 5-,8.$*/+2 0/-' 7*6' /<8/15.*+' 4.6' ?-,.='.3.,<6*+8,' .6' =,.-2.+<' 7,' 4/$<7*16,0-.7,-' 7.#,' 87/6,+' /' 6.='.' 7/1,L' 0

7,' 0/ /4*+?' 3-*,0' 8/11$+*8.*/+' 0-/1' 7,' *+?' .++/$+8,6' 7,' <,.7' /0' 7*6' 3-/7,-2 ,+-=' -,<,-*8M' $M,' /0' ($13,-.+<2 47*87C,#,+' //M' 5.8,' /+' 7,' 9; 7' /0' ',5,13,-2 9: 2*+' 7,' 0/-=00*0 7' =,.-' /0' 7*6' *2,

' ' (' '*] ,' C ' 4' + "

C' $ ' B "' C ŒE' F '5 "#':,' !' & /('

A,' +C.*5.6' #/$ $.-<,-' <,' #/$6 8/11$+*@$,-' .' -*6,' +/$G #, ' <,' .' 1/-' <,' 1/+' -a6' 87,-' 0-a-,' ' -*+8,' ,+-* -`<`-*8' $8' <,' ($13,-.+<2 @$C*' .'5~.$ /$' $*66.+' <,' -, *-,-' p' $*' , 9;' <,' 8,' 1/*62 6$-' ,6' @B+@ 7,$-,6' <$ 1.*+2 .5-a6' $+,' /+?$,' 1..<*,I' ,' B,' +,' </$,' +$,1,+' @$,' #/$6 +,' 5-,+*,>' $+,' 5.-

I' "8%*;(' 3 .6%*73#' "*.7'*1/' ,--,.#'<(%'#' +'
-' ,1-%,73#' "#:,%%*17'<(%'>><"'+'L

6*+8a-, , .1*8. , p8, -*6 , `#`+,1,+28/11,<, 1/+8o B, 1C+`-,66, p /$ 8, @$ -,?.-<, .5-/65`-* <, #/ -, 1.*6/+ ` .+.#,8 C,6*1, , C.1** ,65$6*+#.-*.3 ,62

&/+8/$6*+2 #/ -,3/+8/$6*+2

!) < G -

,0/-, 7, 8/6, /0 7*6 =, .-2 7, *+?2 .6 4* 3, 6, ,+02 3= 7, +/ ,6 47*87 0/ /42 ,6 *0*,<7/47*7?7 4.6 7*6 6,+6, /0 7, 6,-#*8,6 /0 &- * 2 3= 1.M*+?7*1 .+ /00,- /0 7, -<,- /0 7, .- ,-2 .8/15*1,+ 47*872 4* 7 7, ,N8,5G */+ /0 '*- /3,- F.5/ ,2 7.< +,#,-2 4, 3, *,#,2 3, ,+ 5.*< /.+ $+ * ,<8/11/+,-2 6*+8, 7, <.=6 47,+ / , - $< ,= .+< '*- (7-*6 /57,- . /+7.<M+, / 3, <,8/G -. ,< 3= Q$, ,+ *>.3, 7 7, 7/+/$-2 7/4,#,-2 7/$?7 8/#, ,< 3= 7, 0*-6 <$M,6 *+ 7, .+<2 4.6 -,65,8 0$ =3$ $+7,6* . *+? = <,8*+,< 3= &- * 2 .6 * .0 ,-4.-<6 4.6 *+ /$- /4+ *1 , 47,+ 5-,66,< 3= *+? F* *.1 7, /$- 70 $5/+ '*- /3,- , ,

: ; >0 / .#*+? 6$11/+,< . (7.5 ,- /0 7, .- ,- 0/- F,<+,6G <.=2 .+< &- * +/ 7.#*+? 3, ,+ . ' A.1,66 *+ 7, 8/$-6, /0 7, .6 4, ,M2 7*+M * +,8,66.-= 3= *+6 1, .+6 / -,1*+< 7*1 /0 1= 7.#*+? /00,-,< 7*1 /+, /0 7, #.8.+8*,6 /0 *. -<,- F7,+ .6 1,+*/+,<*2 7, 6, ,1,< /<,8*+, I 3$ 5,-7.B^6 7, 8/+8 $6*/+ /0 7, <*65$, 4* 7 '5.*+ 1.= 1.M, 7*1 6, * *+ .<*00,-,+ *?72 +.1, =2 .6 .5$3*8 ,6*1/+*. /0 1= .55-/G 3.*/+L

: ; >+ !-h-

7.#, B$6 -,8,*#,< &- * G , ,- <,8*+*+? 1= /00,- /0 /+, /0 7, #.8.+ .- ,-62 3$ *+ 6/7.+<6/1, .1.++,- 7. 8.++/ 7, 5 ,N5-,66*+? 1= 6,+6*3* = L

0 4* 3, 6, ,+ 7.2 . . 1,-, 4*67 ,N5-,66,< 3= &- * 2 7, *+?8/+0,--`< 7, -,B/5 ,< .- ,- $5/+ 7*6 3-/7,-2 7, .- /0 (7.7.1

I / /"-"(1*% U U 0 ."-"8) 8#,8 ; -* .% -*1%"(+(3# "0,'(0 "-- ++,1/">'+'>""" "6"/

' : S:

,8 /9:

\ - * +/ *6 B$6 .--*#,<* *+ *1. *+? 4*67 7. 67/$< 8/+0,- 7, 7*-< #.8.+ .- , /+ 7*6 3-/ 7,- /-< (7. 3.+* -$6 7, *6 / 4, 8/+#*+8,< /0 1= 6,+ *1,+ 6 /* </$3 7. 67. 4* 7 5 ,.6$*0, /01/--/4 ?*#, 7*6 5$3 *8 ,6 *G 1/+= /0 .55-/3. */+ 47*87 4* 3, $+<,1 //< .6 1,.+ / 7, 4 */ , 0.*+* = L

+ 7, .36,+8, /0 .+= 6 *--*+? /- #, -= *+ ,-,6 *+? ,#,+ 6 *** 7, *+?0 7*6 /-= . 7*6 5,-*/<* 7, -, .<,- 1 .= +/ 3, $+,+ ,- .*+,< 3= 7, 0/ /4*+? (/$- 68,+, 47*87 &*66 $-+,= <,68-*3,6 .6 7.#*+? .M,+ 5 .8, . ' A. 1,60 . .8, /+ 7, /88.6*/+ /0 7, *+?0 3*- 7<.=* 7, _ 7 /0 A$+,* 9: 9 7, 68,+, .=* .0 ,- <*++,*0 *+ 7, .5.- 1,+ /0 &.<. 1, '874, ,+3,-?* 7, <-, .<,< (,-3,-.L /0 &*66 $-+,=0 &, 1 /*-6 7, 5-*+8*5. .8 /-6 3,*+? 7, 0$ $-, *+? F* *. 1 7, /$- 7* -,8,+ = 5-/1/ ,< /3, . ,.-0 <1*-. Y 7, 8/--,8 .+< -,65,8 .3 , &*66 / <64/- 7= Y &*66 $-+,= Y &- ' .+7/5,2A /+, /0 7, Q$, ,+0 @$,--*,6 Y .+< &- , $8* .?,+ ,1.+ /0 , 1*+,+ 68*,+ *0*8 . G .*+1,+ 6* .+< .+,65,8*. 0.#/$-* , /0 7, *+? .+< Q$, ,+ 7, -*+8,* .6 4* 3, 6, ,+* 4.6 $+1*6 .M.3 = *+ . 6 . , 47*87 &*66 $-+,= <,68-*3,6 .6 67/4*+? 7*1 *+ ?,+$*+, 8/ /$-6 . -/=. 6.* /-2L 3$ 47*87 7*6 5-/0,66*/+. 0-*,+<6 4/$ < 5-/3.3 = 7.#, <,6*?+. , < 7. 0 6,.6 /#,- L

E)"%, -),7 =,., #-"%% ,*-"12 0.8"- -), 8@, (0 %*.,1:, ,1-,., / ,)*/58#- ."#,1 0.(; -), "123# -*6%, *1/ =*# =*"-"12 0(.)"# ,A8"+*2, -(-*@,)" ;)(; , -(+.,+*., 0(. -), 6*%% C E, *%% D =."-,# "## 8.1,7 C .(#, (0 :(8.#, 8+(1)"#,1-.*1:, *1/ -), -=(2,1-%, ; ,1 +%*:, / -), ; #,%<,#

I %"(-=((-), .<*:*1- *.-,.# =,., : (10,.., /8+(1 .1,#- 8@, (0 *>, (-)* *1/ .*1:"# 8@, (0 , , /#

- *.% -*1%"(+,3# "0, (0 "--"<(%" " , ++,1/">, +">""""

- /="1 .*1:"# -*1)(+, * #:"(1 (0 -%",),#-,.0",%/6.*1:%"(0-),)(8#, (0 -*1)(+/ , .*11":/ */7 *-%", .*1, "7/2,# /*82%"-, .* 1/ :(9):8 (0 (%"1 .7/2,# *.A8"# (0 *1"*.<(1 #(8 (0 * ; ,# 0".#- 8@, (0)*1/(# .-*1)(+, =%"()*/ 0(. ; , .%7 6, ,1 ,1-%, ; *1 R#), . (0 -), ."<7)* ; 6, .-(H8, ,1)*.%(--, /", /"1

3,7*+< 7,*-87.*-6 47* ,7,0// 1,+ ,0 7,-//1 $
7,/-<,-,<$6. /6*</4+ .+<8. ,< 7,1,+3.8M /
7.+<.3/$6/1,4*+, ,4.6*+,N8,,<*+?7*?765*-*6
.+<*+ 7,$ 1/6?//<7$1/$- ,5.8,<7*16,0.
7,7,.</0 7,.3,+,N&-6'874, ,+3,-? .+<//M,<
-,1.-M.3=4, ?.=.+<0$ /0 65/-.+<1*687*,0=,
8,#,-4*7. .6 4, .6 8/1*8. P F, 7*6*6 7,0*-6
<.=E27,6.*< P 7.#,,#,-<*+,<4*7 7, *+?. '
A.1,66 /+7*6 3*-7<.= -.= 7.#,=/$. <-$+M *6
&.B,6=6 7,. 7S P /=/$- /=. *?7+,66 =/$-
/=. *?7+,66 1*?7 1.M, <,1 </ <.2 6.*< &-6
'874, ,+3,-E P 3=00000 4* , ,-,=/$2 / 7,
0// 1.+ P3-*+?87.15.?+, * C <-*+M 7, *+?6 7,. 7
.?.*+*0 <*,0/-** 9) , 7.#,</+,5-, =4, . -,.<=
6/7.6 7, *+?2 5-/1*6,=/$ 3,*,#, *6 &.B,6=
E.6+,#,- .M,+6$87?//<8.-,/0 3,0/-, F,7.#,M,5
7*6 65*-* 6 $52 5-/1*6,=/** F,7.#,,+.3,<7*1/
?/ 7-/$?7 7*6 0.*?$,6 .+< 67/$<7.#,</+,1/-,6*
3$0/- 7,3. .+< &.-= 7.#,5-/1*6,< /<.+8,4* 7
&.-=

(7.15.?+,4.6+/4 3-/$?7 0/- 7, $M, 7,/-<,-,<
* . -/$+< F7,+ * 8.1, / 1, 47*65,-,< F,6,-0
7.$ 6 / 8.--= * /+ 7, $M, 6.55,<7*6 7.+< #*/G
,+ = /+ 7, .3, .+<8. ,< /$ Y P 72 3=0000009=/$
67. <-*+M * 9 7,-,4.6+/-,6*6 *+?7*6 F,. 6//<
$52 .+<7, $M,6/+/-/$6=?.#, 7, /=. /.6 P +<
+/42 8-*,<7,1.M*+?$6. 6*</4+ .?.*+P47,-,.-,
1=-.68.6 /0 6,-#.+6$ 67.G+C 3,*+ *1,0/- 7,3.
3,6*<,62 7.#,?/ .<,$8,< .* /-4.* *+? /0*N /+1=
,5.$, , ,-,=5$?/.+<6,,0/-1=6,-#.+6 G=,
7,.-S '8.15,-/00T 00 -.+ F*7.1 P(/1, ,6
7.#, 7, *+?6 7,. 7.?.*+9 , $82<-*+M* ,-,

) , .":,## *.7*0-,.=*./# 8:),## (0 %(8:,#-,.=*# -(/*1:,),.0".#-
;"18,-"1+86%":*-),(8.-6*%#"1-),,<,1"12 "## 8.1,7;,1-"(1# ",.%((@"12
C;(#-"1-,.,#-"12*1/81*00,:-,/%7%(<,%7 D*1/*1-":"+*-"12-%",,<,1-="-) C*
/,%"2)-*1/*%*.;1,*.%7,A8*% ; / 0)2?9)0 9 * <(%<
++

87.15.?+,' /' ,' +8 ' ' 4*67' =/$' 8/$ < 7.#,' 6,,+'
&-' ,' $80' 1*N,< 6*15,-YE7.005,.6,<' 7.00. .-1,<'
/4,#,-' 7,'4*+,'8.1,'.+<7,'<*'.+M'* ' 7,' $M,' .M*+?'
.'3$15,-'0/-'7*16,0'.' 7,'6.1,' *1,' P //-' ' .+7/5,T'
Y8-*,<7,'' P' .+AE/5,'67. '7.#,'.'? .66' //' ,-,' 87.1G
5.?+,' F7.' .-,' =/$' . ' .3/$'S F7=' </+C' =/$' ?*#,'
87.15.?+,' /'5//-' ' .+7/5,'S' &-' ' .+7/5,'4*7' ?-,. '
5,.6$-,'8/15*,<' .+< 7,' $M,' .?.*+' .88/15.+*,<7*1'
P(/1,' ** 7,-T' </' =/$' 7,.-S' 8-*,< 7,' $M,' /' 7,'6,-G
#.+6I' .+< /+' 7,' .55-/.87' 6/4' .+< 6$31*66*#,' /0'
&-6' ' .*+0/-70' 1.+' 7,' 7*' *1' .'#*/ ,+'6.5' /+' 7,'
3.8M' 8. *+?' /$2YP .+?' =/$V' 47=' </+C' =/$'6,,'0/-'1='
-.68.6'S' 4.='0,4' 7,'1.+I .+< 7,+'7,'8. ,< /$' /'
F,6,-7.$ 6YP .-MC,,T 3-*+?' .+/ 7,-' ?.66' /0' 87.1G
5.?+,' /' &-' ,' $8T' &-' ,' $8' M+/46' 7,6,' -/=.'
=/$76' //' 4, ' /' #,+$-,' .' 6/' #.*+' .+' ,N5,-*1,+' .6'
<*65$*+?' 4*7' 7,1' 6/' 7,' /+=' 67-$??,< 7*6' 67/$<,-6'
.+<<-.+M' 7,'4*+,' 7,' *BM,'<*<7,'6.1,
'P +< +/4' 5//-' ' .+7/5, CY8-*,<<3,' $M,I' P?*#,'
.+/7,-'?.66' /' 5//-' ' .+7/5,T' C=,' 7,.-SCYP 6' +/'
=/$- /=.' *?7+,66' .0-.*<SCY8-*,< &-' ' .+7/5,' <*6G
5.=*+?' 7,'0$' 8*-8,' /0' 7*6' 3/--/4,< ,,7' P' 67. '3,'
0.5' /'7,'-.7,-'$5'*+' 7,'4/-<' .6' 7,'0/M6' 6.=' *0' ' /5,'
/+' .' 7*6' -.,CYP / .' .I' =/$' 8.+C' ?,' <-$+M' *+' .'
3, ,-' 8.$6,' C<?,' <-$+M' 1=6,0' *0' *' 4.6' +/' 0/-' 7,'
7. ' ,-,' 87.15.?+,T' .+/7,-' ?.66' 0/-' 7,' 57*/6/G
57,-T' ' M,,5'6/3,-'0/-' &.-=CYP 7' =/$-' /=.' *?70'
' +,66T' 8-*,<' &-' ,' $8' ?.*+*+?' 8/$-.?,' .6' 7,' <-.+M'
P=/$' 4*' 1.M,' 1,' @$*,' <-/' ' *0' =/$' 1.M,' 1,' ?/' /+Y'
@$*,' <-/' 'CYP' /' 1$87' 7,'3, ,-T' 6/' 1$87' 7,'3, ,-T'
' 4' </' =/$' .' 1/+6-/$6' <,.' /0' ?//<' ,-,T' .+/7,-'
?.66' /0' 87.15.?+,' /' 7,' Q$,,+0' 57*/6/57,-TCL' #,+'
7,'<-,.<,<' (,-3,-.'L' 7,-6,0' 7.<.' +.--/4',68.5,'0-/1'
3,8/1*+?' .' #*8*1' /' 7,' -*+8,0' 3/*6,-/$6' 65*-*6'
' &-6' '874, ,+3,-?2L' 4-*,6' &*66' $-+,=' '47/' 7.<6.

.$?7*+?' .+< 7.55=' . ' 7*6' *1,2 +/4' ?-,4' . .-1,<2 .+< 6.*<OOP) /$-' /=.' *?7+,662 ' .1' .0-.*<2 4* ' 3,' . ,' 0/-' 7,' 3. 2C P / < =/$-' 5/ . /OB.42 1=' <,.-'TCY 8-*,< 7,' $M,25. *+?' 7,-' $2-,8/ ,8*+?' 7*16,02 7,' //M' 7,-'7.+<.+<5-, =' .3-$5 =' M*66,<*'I2.+< 7,+20*+?*+?' *'7.6*=' .4.=2 .$?7,<. /$<2 .+< 8. ,< /$ YP 7,-,T 7.'4* ' 1.M,' .1,+8 6 0/-' .+= 7*+?I 6/ +/4' ' 1.=' 6.=' 47.' ' 4* ' '/2 7,-,T .' ? .66' /0' 87.15.?+,' 0/-' 7,' Q$,,+05 57* /6/57,-' .+< 7,' Q$,,+05 ?,+ ,1.+0$67,-'9 .+?' 1,T *0' *' 4* ' +/' </' 7,+k' .' 1/+6-/$6' <,.' /0' ?//<TCL' 7$6' 7,' *?7 7,.- ,< 6.* /-'8/+*+$,< /'-. ,' /+' *' 7*6' 8.--*.?,' 4.6' .++/$+8,<2 #7,+' 7,' //M' 7*6' <,5.-$-,2 .55.-,+ =' . 1/6'.6' .3-$5 =' .6' 7,'7.< 1.<,' 7*6' .55,.-.+8,' F7,+2 /+' 7,' +,N' /88.6*/+' /0' &*66' $-+,=' 1,, *+?' 7,' -*+8,66' &.-=2 67,' 6/$?7' /' .1$6,' 7,-'3=' <, .* *+?' 7,' 0/-,?/*+?' 68,+,2 67,' 0/$+< 7.' 67,' 7.<3,,+'.+ *8*5. ,<3=' 7,' $M,'7*16,0' ' 7TLY6.*< 7,' -*+8,662 7,' / < 1,' /0' *' 7*16,0' 7,' +,N' 1/-+*+?2 .+< 6.*<YP) /$' 1.=' 7*+M' '4 ' ' ' / 0/-' ' M*66,< 7,' '874, ,+3,-?05 7.+<CL' *,' '874, ,+3,-?2 7/4G ,#,-2 4/$< 6,,1' /' 7.#,' 3,,+' -. 7,-' 5,.6,< 4* 7' 7,' *3,-=' 7.+' / 7,-4*6,' ' .' -*+8,' F* *.1'LY67,'6.*< ?//<07$1/$-,<=' /' &*66' $-+,=Y '7*1'-,. ='#,-'1,--=I /<,-6'#.'=/$'8.' *56=L

'4.6' /+=' .'#,-=' 0,4'&.=6' .0,-' 7,' 68,+,' *+' &.<.1,' '874, ,+3,-?05 .5.-1,+2 7.' &*66' $-+,=' //M' .+' .00,8*+?' ,.#,' /0' 7,' Q$,,+' .' $8M*+?7.1' /$6,2 /+' @$* *+?' 7,-'6,-#*8,'0/-',#,-' 7,' Q$,,+267,'4-*,62 '7.< 7,-'7.+<M,-87*,0' *+' 7,-' 7.+< 5-' .' 7,-',=,6' 7,' 47/ ,' *1,IL' 47* ,' &*66' $-+,=2 /+' 7,-C5.-2 <,68-*3,6' 7,-6,0' .'7.#*+?' 3,,+'6/' /#,-47, 1,<3=' 7,' M*+<+,66' .+<28/+G <,68,+6*/+' /0'7,-'-/=.' 1*6-,662 7.2 /+' @$* *+?' 7,' -/=.' 5-,6,+8,2 6B*,' '+,.-=' 6/33,<L' 7/$?7' 7,' *+?' .+< Q$,,+' 4,-,' /+' 7,' 5/*+' /0' ,+ ,-*+?' 7,*-' 8.--*.?,

/+' 7,*-' <,5.- $-,' 0/-' ,4 7,' M***<0M,.- ,< .+< 8/+G
6*<,-. ,' *+?' 0/$+< *1,' /' 6,,M 7,' .5.- 1,+ 6' /0' 7,'
Q**,,+ 0/-' 7,' 5$-5/6,' /0' /00,-*+?' 7*6' ?//< 4*67,6' /' /+,'
47/ 0/-' 0*#,' =,.*6 7.< 3,,+' 7,-' 8/+6 .+ .+<*+' 6/1,'
-,65,8 6 7,-08/+0*<,+ *.' . ,+<.+ ' 7,' *+?2L' 4-* ,6'
&*66' $-+,= 8.1,' *+ /' 7,' -//1' ,' *1 1,<*. , ='
.<#.+8,< /' 7,' 4*+</4 47,-,' ' 6 //< /' 65,.M /' 1,0'
' 4.6 +/' .3 ,' /' 8/15/-' 1=6, 0' 6 , .<* =I ' 4.6' 0/-8,< /'
$-+' 1 ='7,.< .4.=' 0-/1' 7*1 ' ,' 6 //< 6 * ' .+< 6* ,+'
0/-' 6/1,' 1*+$,6 4.* *+?' /' 6,,' *0' ' 67/$ < $-+' .3/$ '
$' ' 8/$ < +/' -,8/#,-' 1=6, 0' 6$00*8*,+ =' /' 0.8,' 7*1
6 -.+?,' .6' *' 4.6' /' </' / 7,-4*6, .+<5,-8,*#*+?' 1,'
@$* ,' /#,-8/1, 7,' 4. M,< .4.=' .+<' 6.4' 7*1' +/'
1/-,' *6' M*+<+,66 7*6' ?//<+,66 7*6' 3,+*?+* = +,#,-'
67.' ' 0/-?, I' +,#,-' 7*+M' /0' 3$' 4* 7' 0-,67' ?-. * $<,'
.+< -,#,-,+ *.' .00,8 */+ L'E

-/1' 7,' 4.-107,.- ,< .+< $+.00,8 ,< <.$?7 ,-6' /0'
,/-?,' 7,' 7*-<' &*66' $-+,= <$-*+?' 7,' 47/ ,' *1,'
7.' 67,' 7.< -,6*<,< $+<,-' 7,' -/=.' -//0 7.< ,#,-' ,NG
5,-*,+8,< 7,' 1/6' ?-.8,0$' .+< ,#,+' .00,8 */+. ,' . ,+G
/+6' 88/-<+? = 7,' 5.- *+?' 4* 7' 7,1' 3-/$?7' 0-,67'
,.-6' /' 7,-' ,=,6' ' ' //M2L' 67,' 4-* ,6 '0/-' 7,' .6 'A'
*1, 7,' 8 /.M' /0' 7,' Q$,,+ .+<' 5$ *+?' * ' /#,-' 7,-'
67/$ <,-6 6 *?7 =' #,+ $-,< /' 5-,66' 7,1 I' ,.-+,6 ='
7/$?7' *+' .' /4' #/*8, 6.=*+? Y P /< 1*?7 =' 3 ,66'
=/$-' & .B,6 =T'C '7,' $-+,<' -/$+< .+< 5$ *+?' 7,-' 7.+<'
$5/+' 1=' $+? /#,< .-1 5-,66,< * ' 4* 7' 7,' ?-,. ,6'
M*+<+,66 .+< 6.*< Y P & .=' =/$' 3,' 7.55=T'C '7,' ,0' 1,'
/#,-47,7+,< 4* 7' ,+<,-' ?-. * $<,' 7,' 7-,,' , <,6'
-*+8,66,6' 4,-,' *+' 7,'E,N' -//1' 7,=' -.+' *+' /'
1,' 7,' 1/1,+' 7,' Q$,,+' 4,+' /+4.-<' -*+8,66'
$?$6 .' .+<' -*+8,66' *>.3, 7' ,.87' //M' .' 7.+< .+<
7,' -*+8,66' /=.' 5$' 7,-6' /#,-' 7,1' ' 8/$ < 65,.M /

+/+,' /0' *,12' 3$' 7,='-,5,. ,<YP' 4*67' =/$' 7.55=T'
' 4$67' =/$' 7,. 7TCY.?.*+' .+<' .?.*+' 4*7' 7,' 64,, ,6'
,.?,-+,66' 7,=' 7,+' 6,' /00'0/-' ,4 L'
""2' ' ' 4.6' +/' 1$87' 1/-,' 7.+' .' 1/+7' .0,-' 7*6' *1,'
7.' 7,' *+?' 4.6' $+0/-$+., =' .' 65,8 . /-' /0' .'5.*+0$ ='
-.?*8' 68,+,12' 47*87' *6' 6.*<' /' 7.#,' .00,8 ,<' 7*1' <,,5 =' '
?,+ ,1.+' /0' 7,' +.1,' /0' '$7,-.+<12' 47/' 7.<' -,8,+ ='
7,<' 7,' .55/*+ 1,+' /0' A$<?,0 <#/8. ,' /0' &*+/-8.12' 7.<'
3,,+' ,+?.?,<'*+' .' .46$*' 4*7' ,+,-.' &$--.=12' 7,' /G
#,-+/-' /0' 7,' 6.+<12'*+' 47*87' 7,' . ,-' 7.<'3,,+'<,0,. ,<'
7,' ,+,-.12' 7/4,#,-12' 7.<' 6$00*8*,+' *+0$,+8,' /' 5-/8$-,'
7,' 6$65,+6*/+' /0' 7*6' 6$3/-<*+. ,' 0-/1' 7*6' /00*8*.' <$*,612'
47/' .88/-<*+? =' -, $-+,<' /' +? .+<12' 47,-,'7,'-,5,. ,<kE'
3$' *+' #.*+12' .55,. ,<' /' 7,'5-/5,-' <,5.- 1,+' /0' 7,' ' . ,'
0/-' -,<-,66' 0/-' 7*6' ?-*,#.+8,612' 47,7,-' 7/6,' ?-*,#.+8,6'
4,-,' -,.' /-' *1.?*+.-=' &.<<,+,<12' .' ,+? 712' 3=' 7,'
6*8M+,66' /0'7/5,' <,0,--,<12' .+<' 4*7' 5,+$-=' 6.-*+?' 7*1'*+'
7,'0.8,12' 7,'$+0/-$+. ,'?,+ ,1.+'6.*/+,<'7*16,02'4*7'
.'5*6 /'8/+8,. ,<' /+' 7*6' 5,-6/+12' .?.*+6' 7,'-.**+?6' 47*87'
6,5.-. ,' 7,' -,,+' .-M' 0-/1' ' 'A.1,606' .-M2' 47,-,' .'
.-?,'8-/4<' /0'5,/5 ,'7.<' .66,13 ,<' /'6,' 7,' *+?' 5.66'
/+' 7*6' 4.=' /' ' 'A.1,606' . .8,' F.**+?' * ' 7,'-/=.'
,@$*5.?,'7.<' .--*#,<' +,.-=' /55/6* ,' /' 7,'65/' /+' 47*87'
7,'4.6'6 .+<*+?12' 7,' .00*N,<' /' 7,'-.**+?6' .'5.5,-'.<<-,66,<'
/' 7,' *+?12' .+<' 7,+12' 5/*+ *+?' 7,' 5*6 /' .' 7*6' /4+'
3-,.612' <*687.-?,<'*12' .+<'*+6 .+ =' 0, ' 7,' *+?'/-<,-,<'
7.' ,#,-=' 8.-,' 67/$' <' 3,' .M,+' /007*112' .+<12' /+' 3,*+?'
+0/-1,<' 7.' 7,' 7.<' . -,.<=' ,N5-,<12' ,N8 .*1,<Y' &.='
,.#,+' 0/-?*#,' 7*1''L' 7/$?7' 7,' 5//-' 6$*8*<,' F.6'
<,8,+ =12' .+<' ,#,+' 4, ' <-,66,<12' *+' .' 6$*' /0'3 .8M12' 7,-,

I' */*;' 3 .6%*73#' "*.7' *1/' ,--,.#' <(%' <' ++' L' ' C %%' -%",' #=,,-'
."1:,##,#D =."-,#' "## 8.1,7'-('),.' 0*-),.' (1'-),'!./' (0' 8%7' C#,,;' #(..7' ' *"8'
2("12' 1/'-),' "12' -),' 6,1,<(%,1-' "12 4#(' 81"0(.;%7' +*.-"*%%7' *1/',1:(8G
.*2"12%7'2((/'-%NB;,r ':*1')*./%7'%((@'*-'="-)'/.7',7,# ; /'0M2 ? 9)'0 '
) ' * ' <(%' <' +'

&. 1,63$-=' 0-/1' (/3,+>' /' 7,' $M,'/0' /- .+<2' '67,' 4*' 1.M,' 7*1' 7.55=' .+<' 5,.6,'*+' +? .+<' '7,'*6'0.-' 0-/1' 7.+<6/1,2' 7$' *#, =2' 6,+6*3,2' .+<' #,-=' -.8 .3,I' .+<'*0'/+,' ,+ 7'5.-'/0' 7,'. .871,+' 7,=' +/4'67/4'0/-' ,.87' / 7,-', 1.*+62' *' 4*' 3,'#,-=' 6$00*8*,+' /' 1.M,'.+' ,N8, ,+' > ' ' 7,' $M,2' 1$87' /' 7*6'8-,<*2'<,5$,<' /' 7,'Q$,,+' 7,' 5-*#* ,?,2' .+<' 4* 7'*' 7,'-,65/+6*3** =2' /0' 6, ,8*+?' 7,' .<*,6' /0' 7*6' 4*0,E6' 7/$6,7/<' ' ,6*<,6' ' 7,'?//<',00,8'/0' 6$83'.+' . ,+*/+2L' 4-*,6' /-<' &. 1,6G 3$-=2' '*' 4*' ' -, *,#,' 7,' $M,'0-/1' 7,', 13.--.66 1,+' /0' .55*8. */+62' .+<' 5.-*8$.-=' 6$87' .6' 1*?7' 7,' 6$?G ?,6,<' /' 7,' -*+8,' /' 1.M,' 7*12' 47*87' *' 4/$<7,' <*00*8$' 0/-' 7*1' /' -,0$6,2' .+<2 0-/1' 7,'8/15,N*/+' /0' 7,' -*+8,06' 6/8*, =2' *' 1*?7' 3,' 3=' +/' 1,.+6' .<#*6.3,'0/-' 7*1' /'?-.+ L'0

+' 7,' 1/+7' /0' &.-872' 9: 92' 7,' -*+8,' /0' F.,62' .6' 7.6' 3,,+' . -,.<=' *+ *1. ,<2' 7.<' 3,,+' 7.55*=' -,8/+8*,<' /' 7*6' 1/7,-A' ' '?,+ ,1.+2[' 47/' *#,6' . ' 7,'',.6' ,+<'/0' ' 'A.1,606' B-M2L' 4-*,6' F.5/,'/+' 7,' :7' /0' &.-872' '7.6' 3,,+' 6,+' 0/-' 3=' .' .<=222' 47/' 7.6' .' .-?,' 7/$6,'. ' 7,'4,6',+<2' .+<' 7,='7.#,'M*66,<'.+<'.-,'0-*,+<62' 47*87' 7,'+/ *0*,<3=' /.6*+?' 7,-'7,. 7'*+' .' 3$15,-' . ' .' 8$3' 7,' / 7,-'<.=' ' M+/4' +/' 8*-8$16.+8,62' 3$' .1' ?.</0'* L'E' ' 6,,162' 7/4,#a-2' /' 7.#,'3,,+' 0.,<7.' 7,' -*+8,'67/$<0/-'+/' ,+? 7' /0' *1,'8/+*+$,' /+' ?//< ,-16' 4*7' 7/6,'47/'4/$</+=' //' 4* *+?=' 7.#,' 4,0' 8/-+,<7*1' 3.8M' /' 7,*-' .00,8*/+6' /4' 1. ,-6'6//< *+' 7*6' -,65,82' *6' 3,6',N5 .*+,<3=' .+' .88/$+' 47*87' /-<' &. 1,63$-=' 7.6' 3,@$,. 7,<' $62' /0' 7-,,' /-' 0/$-' 5-*#. ,'*+ ,-#*,46' 47*87' 7,' 7.<' 4*7' 7,' -*+8,'*+' 7,' 9: '1/+7' /0' A$+,' /0' 7,' 0/ /4*+?'=,.-2' .' 47*87' 7,'6 . ,' /0' 7*6' /=.' *?7+,6606</1,6*8'.00.*-6'4.6' 7,'5-*+8*5.' /5*8' <*68$66,<' 0' 7,' $M,' .+<' $87,66' /0')/-M' 7,' -*+8,

I' (./' *%;,#68.73# 1"*.",#'<("'""'+'U U' 1/',/"-"(1' 0' %""/
]' *"% 8##,%%3# ,;(."*%# (0' (>'<s"'""'+' (N' Z %",' ."1:,'(0'E*%,#
' 6,'H8,,1' E*%+(%,B# ,--,.#'<(' '"#'+'

L ‘ ‘ ‘ ‘ W

7,‘ $M,‘7.<-, $-+,< /‘ +? .+<‘6.*< (/ /+,‘ ‘ ‘ ,?,-‘ 4* 7‘ 7,‘7*?7,6‘-,5$. */+‘.+< 1*?7‘7.#,‘</+,‘47.‘7,‘ 5 ,.6,< 4* 7‘ 7,‘ *+?‘47/‘</ ,< /+‘ 7*1‘7** ‘ $+0/- $G +. , =‘7,‘7.<-,6$1,<6,#,-.‘/0‘7*6‘ / <7.3* 6Y5 .=,<.‘ -//M6G6‘.+<0-,@$,+ ,< ,41.-M,‘47,-,‘7,‘4.6‘*+‘ *,‘ 7.3*‘/0‘ /6*+?‘7*6‘ 1/+,=‘.+< +,? ,8 ,< ‘ ‘A.1,6G6‘ ,‘ 3,7.#,<‘ 7/4,#,-‘ 6.*< /-< &. 1,63$-=G‘ *+0/-1.+‘ #.6 =‘ 4, ‘ /‘ 7,‘ $87,66‘ .0*<4.6‘ 7.55=L‘ *+6‘ .88/$+‘4.6‘ .0 ,-4.-<6‘ 8/+0*-1,< /‘ /-< &. 1,63$-=‘ 3=‘ 7,‘ (/ /+,G6 , <,-‘3-/7,-‘ + 7/+=‘ ‘ ‘ ,?,-‘ &-6‘ *>7,-7,-‘ 7,‘ 6.*<‘ 4.6‘ 7,‘ /88.6*/+‘ /0‘ 7,‘ 1*6$+<,-G 6.+<*+?‘ 3, 4,,+‘ 7,‘ -/=.‘3-/7,-6‘.+< 7,‘ 3.1,<7,-‘ ,N8,66*#, = ‘ ‘1.=‘3,‘1,+*/+,< 7.‘7,‘ $M,‘/0‘) /-M‘ / < /-< &. 1,63$-=‘.‘ 7*6‘ *1,‘ 7.‘7,‘ ‘6//<#,-=‘ 4, ‘.‘ ‘ ‘A.1,6G6 L

[‘ (./‘ *%;,#68.7B# "*.",#‘<(%‘ ""‘ ‘++‘U L9UU ‘ 1/‘,/"-"(1

(

,*-)(0 (./ 8-,4 %"1/1,##*1/ /,*-)(0 (./ (.-) 4 %"1/1,##*1/ /,*-)(0 (%(1,% *1, 4 "--*++("1-,/ E*./,1(0-), "8A8(((.-#4 %;.%(=/"#;"##,/ 0.(;-),(./)*1:,%(.#)"+4 "--3#,;"1,1-#,.<":,#4 "#+%,1/"/+,,:)(1 -),(%*<,.*/,4 .:1:%" ,<(%8-"(1 4 %%::-(0 .,1:)(,<(%8-"(1*.7/(:-."1,# "1 12%*1/4 "##(%8%"(8(0-),0.",1/#)"+6,-=,,1(>*1/8.@,

7,9 7/0&.-87 9: <*,<.7,.?,/0 6,#,+ =0 +*+,7,/+8,5/4,-0$1*+*6,-.+<,+#*,<8/$-*,-7 A/7+.-/0$,7,+,?,8 47*87 0/-+,.-=7, 7*-</0.8,+$-=7,7.<,+8/$+,-,<0-/1 7,4E/-<7 5-,6,+67 47,+8/+-.6,<4*7 7*6 0/-1,-3-* *.+.+< 8/#,,<5/6**/+7.*+?*+6.+8,/0 7,#.+*=/07$1.+?-,.+,66 /7*6/<0-*,+< /1,7,.$7/-/0P /$?.62C 4,0*+<7*1 4-**+?/+7,W7 /0&.-87 9:: 7*+M1=0-*,+<7/0 1=6/+(7.-,6 3,*+?-,0$6,<,#,-=7*+?.6M,<7.#,+/7.<*+,-,6 /?,7*1.(/15.+=7 47*,,#,-= <,-1.+/0.5, =(/-5/-.*/+1,,6 4*7 8,-.*+6$88,66 .1+/4*+-,.=7 $+<,-/-</4+67,+<06 4*+?7 0/- -.?//+6*+-,.+<0 </+C 6$88,,<7 4* 8,-.*+=/00,-7*1/7,15,-/-L),**4.6+/#,-= /+?3,0/-,7,<.,/0 7*6,,-7 7./-<(7.7.17*+7,/$6,/0 /-<67.<<,+/$+8,< 7,0.,+.+<5/4,-,66 0.4/$-*,.6 /+,3,7*+<7,

I "0,(0 (;(67 ,1.7 *:@,1V",? (;(3# E(.@#<(%"+L 6(#(1 .,0,..,/-(67 (./ 8-,=*#-%",%*-," ",8-,1*1-9 ,1,.*% ".)*.%,# -8*.- ,/",/ *.:) "1 6"#0(.-791"*-)7,*. ,=*#-),0*-),.(0 %"*.%(#:.,*-,/ *.(1 -8*.-/((-),#*7 "1 3S

7-/+,' ?*C,. ,-' 7.+' 7,' 7-/+,'* 6, 0 L' ' $-*+?' 7,' .6' @$.- ,-' /0'.' 8,+ $-='/0' /-< $,06 *0,2 7,' .55,.-6' /' 7.#,' 5-*+8*5. =' -,6*<,<2 *+' . 1/6' 8/15, ,' -, *-,1,+2 *+' .' 1.-*+,'#* .' 47*87' 7,' 7.<',-,8 ,< /+' 7,' ,<?,' /0' 7,' 8 *00' .' (7-*6 87$-872 *+' .1567*-,2 /#,- //M*+?' 7,' ,,< ,6' .+<' 7,' 6 ,' /0' F *?7 ' ' ,-,2L' 4,' .-,' / <2 ' 7*6' 5-*+G 8*5.' <, *?7' 4.6' /' *6 ,+' /' 7,' 1, .+87/ =' -/.-' /0' 7,' C 6,.2 /0' 47*87' 7,' 5 .*+ *#,' 6/$+<6' 4,-,' 5-/3.3 =' 8/+0' ?,+*.' /' .' 65*-*' 6/$-,< 4* 7' 47.' 3,' 3, *,#,< /' 3,0 7,' *+?-. * $<,' /0' 1.+M*+< L'0

C' ' ' ' ' +(+8%" :(1-, ; 1,.,' (:,#
":' #(%"-8# & +(+8%8# ; ,' #"6R*-?' *-' ; ")" +%*8/(
+#,' /(;" D 4 E ' *-' ' %"6'

+' 7,' W 7' /0' $?$6 2' 9: 2 <*,<2 . ' 7,' .?,' /0' 6*N =2 .+/ 7,-' /0' 7,' *+?06' 0/-1,-' 1*+*6 ,-6' 0.+<' 0-*,+<62R' -,<,-*8M' /-<' /-72' 47/2 4/' =,.-6' 5-,#*/$6 =2 7.< 6$88,,<,< 7*6' #,+,-.3 ,' 0. 7,-' .6' 7*-<' .-' /0' $* <0/-<I' F 7. ,#,-' 1.=' 7.#,' 3,,+' 7,' ,--/-6' /0' /-<' /-70' 5/ * *8.' 8.-,,-2 //' 1$87' 5-.*6,' 8.+' 68.-8, =' 3,' .88/-<,< /' 7/6,' 6/8*.' @$. * *,6' .+<' 5-*#. ,' #*- $,62 /' 47*872 . ' .+' ,.- *,-' 6 .?,' /0' 7*6' 4/-M2 4,' 7.#,' . ,15 ,< /' </' B$6 *8,' *6' 5/ * *8.' /55/+,+' $-M,' 7.6' 5,-5, $. ,< 7,' '*+0*+* ,' 4*' .+<' 5 ,.6.+ -=2 7,' <, *?7 0$' ,15,-2 .+<' 1/6' <*6G *+ ,-,6 ,<' *+*+<2 /0' 7*6' 1/6' .?-,,.3 ,' /0' 8/15.+*/+6' .+<' 1/6' .1*.3 ,' /0' 1,+' ,' 4.6' 3= **. $-,' .+<' ,<$8. */+' .' 5,-6/+' /0' +/' 1,.5' 8/+#,-6. */+.' 5/4,-6' 7/6,' 5/4,-6' 7.< 3,,+' ,+7.+8,< .+<' -,+<,-,< <, *?7 0$' 3=' 7,' .<0' E.+ .?,6' /0' .+' ,<$8. */+' .' /+2 .+<' .0 ,-4.-<6' 0.' 7,' A+*#,-6* *,6' /0' N0/-<' .+<' ,*56*8I 3=' 5-/ -.8 ,<' -.#,' 7-/$?7' 7,' #.-*/$60' 8/7+ -*,6' /0' $-/5,I 3=' 7.#*+?' 3,,5' .' 7*6' *0, *1,' .' 1.+' /0' 7,' 4/- <I 3E' 7*6' 8 .66*8.' .6 ,6' .+<0' 0/+<+,66' 0/-' * ,-. $-,' I 3=' 7*6' 7/-/$?7' M+/4 ,<?,' /0' $1.+' +. $-,I' .6' 4, ' .6' 0-/1' 7,' ?-.#,-' 7+,8</ ,6' .5<' 0.8 6' 4* 7

D' ' Te2' 0

[' 1.% -*1)(+,3#' "#-(.7'(0' 12%*1/' <(%' <' ++' ! `
F' .' 2,.-(1' "7/2,#8' ,,.*2,' <(%' "" ' +" L

7,=< <*,< 4* 7*+ * ,1/-, 7.+ .0/- +*?7 /0 ,.87 / 7,-

+ 7, =,.-9: 7, 3/<* = 7,. 7 /0 /-< /- 7 3,?.+ #*6*3 = /<,8*+, '=15/16 /0 <-/56= 1.+*G 0,6 ,< 7,16, #,6 7*6.55, *,0.* ,< 7*1 6 ,,5 ,66+*?7 6 0/ /4,<.+< 7,<,5-,66*/+ /0 7*6 65*-* 6 ?-,4 .55.-,+ = 1/-,0-,@$,+ .+< 1/-,<*6 -,66*+? 4.6 *+ 7*6 8/+G <* */+.0 ,-7.#*+?5.66,<.5.*+0$ = -,6 ,66+*?7 7. 7,.<B$-,< 7*6 0-*,+< .+< 57=6*8*.+ - F.--,+0, * 7*6 <$ = *+ *1. ,/7*1 7. 4. ,-7.<0/-1,< /+ 7*6 87,6 .+< 7. 7*6 <.=6 *0+/ 7*6 7/$-6 4,-, +$13,-,< /7,6,+ ,+8,/0<,. 7 7$6 5-/+/$+8,< /+ 7*1 7,*6 ,+,< 4* 7 7,8. 1,6 8/15/6$-, , M+,4 * L 4-* ,6 /-< '7,00*,< / /-< $8M .+< .+< 7,8/+ *+$,<8. 1 .+< .1*.3 , / 7, .6 .+< 6.*< 7,4.6 7.+M0$ 7. 7,7.< . * , *1, / 6, , 7*6 .00.*-6 .+< / 8/10/- 7/6, .3/$ 7*1 L0 ,6*-/$6 /0<=*+? . 5,.8,4* 7 . 7,4/- <7,6,+ /-,@$,6 7, . ,+<.+8,*+ 7*6 6*8M 87.13,-/0 4/5,-6/+6 /-< $8M .+< .+< &- A/7+ /3*+6/+3= 47/6,5/ **8. .3.+</+1,+ /0 7*1 7, 7.< 0/-1,-=3,,+ 1$87 5.*+,< .+< /00,+<,<3$ 4* 7 47/1 7, +/4 67//M 7.+<6 .+< 5.-,<*+ .1.++,-47*87 .00/-<,< 7*1 8/15, , 6.*60.8G */+ 6.4 7*1 L 4-* ,6 ' /-,- / /-< $8M .+< .+< 8/+#,-6,< 4* 7 7*1 .6 7$-6<.= +*?7 " " 5-,8,<*+? 7*6 <,.7 .+< 7, .6 4/-<6 47*87 7, 6.*< / 1, 4,-, Y P /< 3,66 =/$1C $,-,< *+ 6$87 . /+, .6 *0 7, +,#,- ,N5,8 ,< / 6, , 1, .?.*+ 7, 3,+,<*8 */+ 6 * 6/$+<6 *+ 1= ,.-6 +,06 7,.- 1$6 7.#, 3, ,+ /0 6 , , +/ / 7.#, 3, ,+ /$87,< 4* 7 7*6 6* $. */+ L A -/1 7, 1/1,+ 7. /-< /- 7 4.6 *+0/-1,< 7. 7*6 8.6, 4.6 7/5, ,66 7*6 8/+6 * $ */+. 6,-,+* =+,#,- <,6,- ,< 7*1 7, 0<,5-,66*/+ /0 7*6 65*-* 6 +,#,- -, $-+,< (7, ,-,<3= 7, ,+<,- . ,+0

I (%(1,% *..Q /",/ (1-), -) (0 8%7 ? (./ (.-) (1-),L-) (0 828#- - 8:@%*1/ (..,#+(1/,1:, <(% "" + U 6"/ ++ U 9

.,#(%<,/ -(:(10,. "- (1)" ; *# * ; *.@ (0 -)*- .,2*./ =)":))"#
, ; "1,1- #,.<":,#)*<, /,#,.<,/ 0.(; ; , * ; #(6,1- (1 -)"#
-)*- #%"*%% 6, #,."(8#%7 (00,1/,/ *- *17 *--, ; +- -(/,:%"1,
)*<, "1-" ; *-,/ -) ,#, ; 7 "1-,1-"(1# -(-%", *.% (0)*-)* ; (./
.,1<"%%, *1/ . 81:%*# D I

 : ; 03

C F -6 ' 2 A C +M %

C), ,1:%(#,/ "# ; 7 %,--, . -(". "-- *:A8*"1-"12)" ; <-)
; 7)*<"12 0">,/ (1)" ; 0(. -), (00": , (0 E*./,1 (0 -), "1A8,
(.-# . 81/*# "# -(0(.=*./ "- -(-), E ,#- - *1/ -(*: : (; G
+*17 "- ="-) * 0,= %"1,# ,>+. ,##'12 -)*- =" %% 1(- */ ; "- (0 -)"#
0*<(8. 6,"12 /,1",/ /,#""9, (./)*-)* ; ; *7 *%#("<."-, *1/
-)*- . 11/*# =*%% -*@, -), 0".#- (++(.-81"-7 (0 *:A8*"1-"12
(./ .,1<"%%, (0 -), #-,+)*<, -*@,1

C

$. "1:@1,7 ; *7)*<,)"# *8/",1: , (1 E,/1,#/*7 D x

7*6 0 . ,-*+? M*+<+,66 /+ 7, 5.- /0 7, *+? ,/$ <
68.-8, =7.#, 0.* ,< /3, 7*?7 =?-. *0=*+? / &- * 2 47/
. /+8, .88,5 ,< 7, 3//+ . 7, 7.+<6 /0 7*6 6/#,-,*?+ /
7*6 0-*,+< /6, 7, 4-* ,6 0-/1 $- /+ =+6,+ /+ 7,
: 7 Y 7.#, 7.< . , ,-0-/1 7, *+? 1 .M*+? 7, /00,-
*+ 7, 7.+<6/1,6 4 .= 5/66*3 ,2 .+< 7.#, .88,5 ,< L [/
.<= (7. 7.1 . 6/ 7, 4-* ,6 . 0,4 <.=6 .0 ,-4 .-<6 0-/1
,+,-. .-8/$- 06 6,. 2 ' , /+.-<06 * 2 +, .- F *+<6/- Y
  .--*#,< 7,-, =,6 ,-<.= .0 ,- . #,-= 5 , .6.+ B/$-+,=2
3$ 2 0-/1 7, 7, . /0 7, 4, . 7,-2 // . , /5.= 1= <$ =
. F *+<6/- 3,0/-, <*++,-2 .6 7.< *+ ,+<,< 7.< .+
/55/- $+* =2 7/4,#,-2 /0 </*+? 6/ /+ 7, ,--.8, *+ 7,
,#,+*+?2 .+< /0 -,8,*#*+? . 5,-6/+. 8/+0*-1 . */+ /0 ,#,-=
?-.8*/$6 6,+ *1,+ 47*87 7.< 3, ,+ 6/ 0$ = ,N5-,66,<
. -, .<=2L f

K *.% -*1)(+,3# "0, (0 "-- <(% "" + ++,1/"> + > < (; %"1,3# "0, (0 "-- <(% """ + U
 . "-- =*# *- -%""# -" ; , (1 *"<"#"- -(/# ; (-), . */7)*-)* ; *- 8.-(1
71#,1- "1 ("1:. :-9i)"",
  *.% -*1)(+,3# "0, (0 "--? <(% "" + + ("1%"1,3# "0, (0 "-- <(% """ + U
Z (#,3# "*.",# *1/ (..,#+(1/,1:, *<(% "" + + U
  .% -8+)(+:3# "0, (0 "-- <(% "" + + C ; ; ,/"-,%7 8+("N (./ 8"%/9

' 4.6' *+' 7,'<*1 1 ,-'/0' 7*6' =, .-' 7. 2' . ' 7,' *+6 *?. */+' /0' &-' * 2' 7,' *+?C 4.6' -, $8 .+ =' *+<$8,<' /' <*65,+6,' 4* 7' 7,'6,-#*8,6' /0' 7*6' 6$- =' / <'0.#/$-* , ' /-<' (7.+8, /-' 7$- /4' * ' .+<' 7$- /4'7.<' +,#,-' /#,<' /+,' .+/ 7,-' 7,-,' 7.<'3, ,+' *1,62' *+<, ,<2' 47,+' 7,=' 7.<' /88.6*/+. =' 1, ' *+' 7,' 6.1,' 8/+#*#*. ' 6/8*, =Y*+' 7/6,' B/#*. ' .0 ,-0' <*++,-' *1,62' 0/-' *+6 .+8,2' 47,+' 7,=' 4 ,-,' 0*-,<' . ' 3=' 7,' // *+?' $-+5*M,0M, ,5,-' 0/-' ?. /5*+?' 7-/$?7' 7*6' / ' 4* 7/$' 5.=*+?2' .+<' 47,+2' . ' $+<.606' 7/65* .3 ,' #* .' . ' F*13 ,</+2' 7,*-' 7/6' $6,<' /' 5 =' 7,' (7.+8, /-' 4* 7' 7*6' '3,6' 3$-?$+<=' .+<' 3 .657, 1=2' /' 5$' 7*1' *+' ?//< 7$1/$-L' #,+' *+' 7/6,' , .- =' <.=62' 7/4,#,-2' 4,' 0*+< * ' <,+/$+8*+?' 7,' (7.+8, /-' .6' ' .' ?-/4 ,-' . ' ,#,-=G 7*+?2' .' 5-/5/6,-' /0' +/ 7*+?2' .+<' .' 6$55/- ,-' /0' ,#,-=G 7*+? L' 7$**/42' *+' 0.82' 7.<' +/' /+ =' <*6?$6 ,<' 7,' 1,13,-6' /0',#,-=' <1*+*6 -. */+' /' 47*87' 7,'7.<'3, /+?,<' 3=' 7*6' 4.=4.-<+,662' 7*6' /#,-3, .-*+?' 1.++,-62' .+<' 7*6' </1*+, ,-*+?' .66$15 */+' /0'6$5,-*/-* =2' 3$ 2' 0/-' .' /+?' *1,' 5.62' 7.<' ?*#,+' ,65,8*.' /00,+8,' /' &-' * ' 3=' 5,-5, $. =' <*00,-*+?' 0-/1' 7*1' *+' 7,' (.3*+, 2' .+<2' *+6 ,.<' /0' .00/-<G *+?' .66*6 .+8,' /' 7,' /#,-+1 ,+' *+' 7,' /$6,' /0' /-<62' .8 $. =' /55/6*+?' .+<' -*<*8$ *+?' 7,' 1 ,.6$-,6' /0' 7*6' 8/ G ,.?$,6' ' 4.6' $+<,-' 7,6,' 8*-8$16 .+8,6' 7. 2' /+' 4/' <*00,-,+' /88.6*/+6Y*+' /#,13,-2' 9:; 2' .+<' .?.*+' *+' 7,' 6.1,' 1/+ 7' 7,'0/ /4*+?' =, .-Y &-' * ' 7.<' 0/$+<' 7*1G 6,0'8/15, ,<' /' .=' 8/15 .*+ 6' /0' 7,' (7.+8, /-06' *+6$3G /-<*+. */+' 3,0/-,' 7,' *+?2' 47/2' /+' ,.87' /88.6*/+2' 7.< 8/+ -*#,<' /' 5. 87' $5' 7,*-'<*00,-,+8,6' /' /-<' $8M .+<' ' /-,-' 4-* ,6' /+' 7,' ; 7' /0' /#,13,-2' 9:; Y ' &$87' *6' 6.*<' .3/$' 7,' 4/' (7.+8, /-6' 3,*+?' /+' * ' ,-161' 3$' 7$- /4' 4* ' M, ,5' 7*6' 5 .8,2' .+<' /#,-+1 ,+' 4* ' +,#,-

0(./3# /,1-"% D' =."-,#3 "--' -(' /# 0.",1/' E"%6:.0 ; , ,' (1' -),' -)' (0' 828#-' P-),' "12')1# =."--,1'-(' ; ,' "1' -),' ; (#-'2,1, .(8# -, ; #' -(' #*7' -)*-'),' :*11(-'%,-' -),' E*./,19' #)"+' (0' -),' "1A8,' (.-f' 2('-(' *17' (1,' ,>:,5"-' ; 7#,%0' R1/, .' *%%' -),'+. ,#,1-' :". ,"" ; 9' #-*1:,#' *1/' "1' -),' ; *11, .' "1' =)":)' -),' (00, .' :* ; , ' ') *<,' 1('),#"-*-"(1' "1' *:: ,+-"12' "-' *1/' '6,%",<,' 7(8' ="%%' -)"1@' ') *<,' /(1,' ."2)- * ' ' $ '<(%' "' +' !m l' %%8/"12'-(' .' "--' *#6,"12')*1:,%%(.' (0' -),' >:),A8, .

*,' ,#,+' /0' *6' &.B,6 =' 3,*+?' 8/-.5, ,< /' 83//6,' 3,G
4,,+' 3*6' 4/' 1*+*6 ,-62' &-' * ' 4/$ < 3,' 3,' 5,-6/+'
P6.8-*0*8,<2' 7,-,' 6,,16' ,#,-=' -,.6/+' /' 3, *,#,' #,+ 62'
7/4,#,-2' 5 /#,< 7/4' ?-,. =' 7,' 7.< <,8,*#,< 7*16, 0'*+'
7*6' 8. 8$. */+6' ') /$-' 0-*,+<' /-< 7$- /42L' /36,-#,<
/-< /- 7' /' *8*/ 6' 7,' .$ 7/-' /0' 7,' P ,8/ ,8G
/+62C' 7+M6' 7.' 7*6' 5,-6/+.' *+0 $,+8,' 4* 7' 7,' .+?'
.$ 7/-*6,6' 7*1' /' -,.' &-' * ' 4* 7' " .M,' 1='
4/-< 0/-' *22 47,+,#,-' &-' * '6.=6' /' 7,' *+? Y P '*-2'
7,' -,.' ',.2 1$6' 3,' *+' / 7,-' 7.+<62C 7,' **+?' 4* '
.M,' 7,' -,.' ',.' 0-/1' /-< 7$- /42' .+< +,#,-' 7*+M'
.+=' 1/-,' .3/$' 7*1 L' ' +< 6/' /' .' ?-,.' ,N ,+' * '
7.55,+,<' F7,+ Y.0 ,-'=,.-6' /0' ?-,.' 0/-3,.-.+8,' .+<
?/5<07$1/$-'L' /+' 7,' 5.-' /0' &-' * '0 YE3,' (7.+8, /-06
8/+<$8' 3,8.1,' .' ,+? 7' 6/' *+ / ,-.3 ,' .6' /' 8/15,' 7,'
0*-6' &*+*6 ,-' /' -,5-,6,+' /' 7*6' '/#,-,*?+' 7.' ,* 7,-'
/+,' /-' 7,' / 7,-' 1$6' 4* 7<-.4' 0-/1' 7,' <1*+*6G
-.*/+2' 7,' *+?2' 7/$?7' 7,' 1.<,' .' M*+<' .+< ,.-+,6'
. ,15' /' 6.#,' 7*6' .--/?.+' .+< *15-.8*8.3 ,' / < 6,-G
#.+ 2T' 1.+*0,6 ,< +/' 7,6* . */+' *+' ?*#*+?' 7,' 5-,0,-,+8,'
/' * 2' 47,-,$5/+' 7,' (7.+8, /-' 4.6' *+0/-1,< 7.' *6'
&.B,6 =' 7.< +/' 0$- 7,-' /88.6*/+' 0/-' 7*6' 6,-#*8,6' 6'
1*?7' 7.#,' 3,,+' ,N5,8 ,< 0-/1' 7,' ,*75,-.1,+' /0' 7,'
6$- =' .4=,-2' 7*6' .+?,-' .+< *+<*?+. */+' 4,-,' ,N8,66*#,'
' ' <*< +/' **+M2L' 7,' 6.*< /' /-< </+Y 7,+' '*-'
A/7+' '8/ Y' 7.' 7,' *+?' 4/$ < 7.#,' 5. ,< 4* 7'
1,' 6/' ,.6* =' IL' ,E*B<*+?2' *+' . $6*/+' /' &-' * Y' 6'
/' ' ' /7,' 7.6' </+,' /' 1,' B$6' 47.' ' 67/$ <
7.#,' </+,' /' 7*12' *0' ' 8/$ < LE' ' -,8/ ,82L' 4-* ,6'
7*6' 0-*,+< *87/ 62' '7*6' 6.=*+?' /' 1, Y P /' 1.+' 7.6'
.' -*?7' /' -,.' .+/ 7,-' *+' 7,' 4.=' *+' 47*87' 7,'
+?' 7.6' -,. ,<2' 1,' ' 4,' 8.++/' 1,,' .?.+' *+' 7,' 6.1,

[' ":)(%%,:-"(1#'<s"'"'+'!U
-' ,,'*':8."(8#%,--,.'(1'-)"#865,:-'0.(;' .' ' %*1/' 8.2,#-(' (./' 8:@%*1/'
/*-,/' -)' 8%7' 23 3'4 & '<("'"'+'U U
e' ,--,.'0.(;'-),' "12'-(' .' "--'/*-,/' L-)' *7' '"1' *.% -*1)(+,3#
"0,'(0' "--'<("'"'+'%"' ++,1/">' Z' ="##3#' "0,'(0' (./' %/(1'<("'"'+' !
" 22 * ' &

-//1 L' ' /' /+ =2 7/4,#,-2 </' 7,6,' 8/15 .*+ 6 .55,.-'
/' 7,' . /?, 7,-' $+-,.6/+.3 ,2 7$ 2 .6 0.-' .6 7,' *+?06
0,, *+?6 4,-,' 8/+8,-+,<2 4,' 67. ' 0*+<' 7*12 1.+=' =,.-6
.0 ,-4.-<62 65,.M*+?' M*+< =' .+<' ,#,+' .0*,8*/+. , =' /0 7*6
0/-1,-' (7.+8, /-
&-' * ' 7.<' 3,,+' +/4' *-6 ' &*+*6 ,-' /0 7,' (-/4+' 0/-'
+,.- =' +*+,' =,.-62 <$-*+?' 47*87' 5,-*/<' 7,' 7.<' 5,-0/-1,<'
?-,.' .+<' ,1*+,+' 6,-#*8,6 0/-' 7*6 '/#,-,*?+' .+<' 7*6
8/$+ -=' /' 7*6 4*6</1' .+<' 0*-1+,66 7,' *+?' 4.6 . *M,'
*+<,3 ,<' 0/-' .' ?-,.' 67.-,' /0 7*6 5/5$.-* =2 .6 4, ' .6
0/-' 7*6 /+?' ,1.+8*5. */+' 0-/1' 7,' 7.$?7 =' </1*+*/+' /0
7,' ?-,.' F 7*?' 0.1**,6' 7,' 8/$+ -=' 7.<' +/' ,66 -,.6/+'
/' 3,' ?-. ,0$' /' 7,' =/$+?' 6 . ,61.+' -/1' 7,' 8/+<* */+'
/0 ,N7.$6 */+' .+<' 7$1**. */+' /' 47*87' -,.' -* .*+'
7.<' 3,,+' -,<$8,<' 3=' 7,' 1,-*8.+' 4.-2 7,' 7.<' -.*6,<' 7,-'
/' 7,' 7,' 1/6' 5-/65,-/$6 .+<' ,+#*,<' 8/$+ -=' *+' $-/5,'
4*+?' /' 7*6 $+4,.-=*+?' ,N,-*/+62 /' 7*6 ,+ *?7 ,+,<'
#*,46 *+' -,65,8' /' 8/11,-8,' .+<' 0*+.+8,2 .+<' 7*6 -,.<='
*$#,+ */+' /0 -,6/$-8,62 7,' 5$3 *8 ,N87,@$,-' 7.<' 3,8/1,'
-,5 ,+*67,<2 .+<' -.<,' .+<' 1.+$0.8 $-,6 7-/#,' 4* 7'
$+5-,8,<,+ ,<' 5-/65,-* =' +' 7,' 6$88,66 /0 7*6 +<*.'
* I' *$' 7,' 1,.6$-,6 47*87' 7,' 8.--*,<' 7-/$?7' .-*.G
1,+' 0/-' 7,' 8/+6/ *<. */+' .+<' <*1*+$ */+' /0 .N,6I' *+'
7*6 5-/#*6*/+6 0/-' 7,' 6$55-,66*/+' /0 61$?? *+?' .+<' 7,'
*15-/#,1,+' /0 7,' (-/4+' .+<6I' .+<2 .6 =2 *+' 7*6
.$<.3 ,' .+<' 0.-06*?7 ,<' ,+<,.#/$-6 /' 3-*+?' .3/$' .'
8/11,-8*.' -,. =' 4* 7' -.+8,' /+' 7,' ?-,.' 5-*+8*5 ,6
/0 -,,' -.<,2 4,' 0*+<' $+,@$*#/8.' 5-//0 /0 7*6 5-,G
,1*+,+8,' .6 .' 4*6,' .+<' ,+ *?7 ,+,<' ,?*6 . /-' ,' +/'
/+ =' M,5' 7*6 5-/1*6,' /0 *+ -/<$8*+?' *+ /' .-*.1,+' .'
3* ' 0/-' 7,' *15-/#,1,+' /0 7,' ,5-,6,+ . *#,' 6=6 ,12 3$ 2
' .6 .' 1.+' .+<' .' 1*+*6 ,-2L' ,+,-?, *8. =' .+<' ,+ 7$6*.6G
*8. =' .55 *,<' 7*16, 0' /' ,+6$-,' 6$88,66 /' .' 1,.6$-,'
47*872 .6 /-< &.8.$.=' 4-* ,6Y ' /-< -,=2 . ' .' . ,-

5,-*/<2 8/$ < .88/15*6 * /+ =3= 1,.+6 R43*832 0/-. *1,2
//6,+,< 7, #,-=0/$+<. */+6 /0 7, (/11/+4,. 7L
7,-4*6, .+< *3,-. 1,.6$-,6 4,-, ,*7,-8.--*,< /-
,6, 4.-1 =.<#/8. ,<3= &- * +, 3-$.-=2 9: 92
7, 6$55/- ,< . +/ */+ *+ -/<$8,<3= &* A/7+ &*0/-<2
.0 ,-4.-<6 /-< ,<,6<. ,2 0/- 7, -, *,0 /0 7, /1.+
(.7/ *86 , 7, ' . $,0 //M2L ,N8.*1,< /N /+
7. /88.6*/+Y.+< * 8/*+8*<,< 4*7 7*1 *+ 7, +/3,
6,+*1,+Y , 7, ' . $,0 //M 3, -,#*6,<2 .+< ,#,-=
+@$* /$6 .4 ,N5$+?,<47*87 . .87,6 5,+. *,6 /1,-,
/5*+*/+6↑L +& .= 0/ /4*+?2 7,6, 4/ ?-, 1,+
.?.*+ 8/+ ,+<,< 6*<, 3=6*<, *+ 0.#/$- /0 /N06 0.1/$6
*3, * 2 47*87 , N ,+<,< /B$-*,6 7, 6.1, 5/4,-6 *+
-*. 6 0/- *3, .6 *+ 7, 8.6, /0 /7,-8-*1*+. -*. 6 0
,*7,-2 *+ 7, 8/11$+*8. */+6 3, 4, ,+ --, . -* .*+
.+< 0/-,*?+ /4,-62 7.< 7, 7/+/$- /0 7, 0/-1,-
6$00,-,< *+ 7, 7.+<6 /0 &- * +9:;:2 7, 7*?7
/+, 47*87 7, .</5 ,<2 .+< 7, #*?/-/$6 1,.6$-,6 47*87
7, //M2 8/15, ,< -.+8, /-, *+@$*67 7, <,6*?+6
47*87 67, ,+ ,- .*+,< .?.*+6 7, *3,-*,6 /0 / .+<0
?.*+2 *+ 7, 0.1/$6 <*65$,2 4*7 '5.*+2 *+ 9: 2-, . *#,
/ 7, 6, ,1,+ /+ //M. '/$+<2 7, 0/-8,< 7, (/$- C
/0 &.<-*< /4*7<-.4 *6 7.$?7 =5-, ,+6*/+62 .+< /
-,6 /-, 7, ,--* /-= 47*87 * 7.< 6,*>,< $-*+?7,
<*68$66*/+6 /+ 7,6, 1/1,+ /$6 @$,6*/+6 *+ 7, /$6, /0
(/11/+62 &- * 7.< <*65 .=,< 7*6 6. 5-,0,1*+,+
.3* *=+/ ,66 .6 .+ /-. /- 7.+ .6 . 6 . ,61.+ $ * 4.6

I "(2.*+)",# + ,(1#(' (#,B# "*.",# <(% "+ !L . "--"1-.(/8:,/
6"# ,0(.-1 "%% "1-(' *.%"*;,1-(1'-), -%6 +."% L -=*#-).(=1(8-"1'-),
(8#,'(0 (;;(1#67 *;*5(."-7(0 U <(-,# -(' U . "--')(=,<,.=*#1(-(
6(/"#),*.-,1,/ S *.%"*;,1-*.7 ,0(.;D),=.(-,-(-),' 8@,'(0 8-%*1/ C ;8#-
;,;#-"%% #8.,((1,.(.%*-,.6,:*..",/"1'6(-):(81-.",#' 0"-"# =,%' /(1,*-),
#((1,.-),6,--,.D4 +% -*1%"(+,3# * <(% "+ L),1*;,# (0-),
;,;6,.#=)(<(-,/"1'0*<(8.(0 ."--B# ;(-"(1'*# =B,%# *#0(.-),+%*:,#0(.=)":)
-),7,*-"1'-), (8#,'(0 (;;(1#='%-6,'0(81/"1'-), *.%"*;,1-*.7 "#-(.7'<(%
%%"':(%#'U L9U
-: ! 1/(0 ((' :' ,1-"-%,/'M 1' :-(.,;(<,'/(86-# .,#+,:-"12-),
081:-"(1#(0 8.",#"1':*#,#(0 "6,%34 ,,' ="#,3# * '"' <(% "++' 9

*+ 6$55/- *+? *, .- *. 1 ,+ .-= ,00/- 6 1 .<, 3= 7*6 0-*,+< F* 3,-0/-8, /' 6$55-,66 7,' 7/--/-6 /0 7,' 6 .#,0 -.<,2 7. ' 7,' , /@$,+8,' /0 7,' 1*+*6 ,-' 67/+,' 0/- 7 1/6' 0,-#*< =' .+< *15,-*67.3 =' F7,+2 /+' 7,' +< /0 5-* 2 9: 2 /N2 F*+<7.12 .+< --,=' 4. M,< .4.=' /?, 7,-' 0-/1' 7,' /$6,' /0 (/11/+62 7,=' 1$ $. =' .?-,,< 7. ' 7,' 65,,872 *+' 0.#/$-' /0 7,' .3/ * */+' /0 6 .#,-=2 /' 47*87 7,=' 7.< B$6 ' *6 ,+,< 0-/1' 7,' *56 /0 7,*-' ?-,. ' -*#. 2 4.6 +/ ' /+ =' 7,' 1/6' ,N -./-<*+.-=' <*65 .=' /0 , /@$,+8,' 7,=' 7.< ,#,-' 7,.-<2 3$' 7. ' <$-*+? 7,' .6' 4,+ =' 1*+$,6 7. ' &-' * ' 7.< 65/M,+' 7,' -,. =' 6,,1,< /' 3,' *+65*-,<' 7,-,' 4.6 /+,' 5.66.?,' *+' 7. ' 65,,87 47*87 , *8* ,< 7,*-' ,65,8*. 2.<1*-. */+' ,' 7.< 3,,+' 1/$-+*+?2 *+' .+?$.?,' /0 6*+?$.-' 3,.$ =2 /#,-' 7,' 3,+*?7 ,< 6 . ,' /0 0-*8.2 47,+' 5-,6,+ =' 7*6 4/-<6 3,8.1,' 1/-,' 0,-#*<2 .+< 7*6 8/$+ ,+.+8,' *?7 ,< $5 4* 7 .+*1. */+2 .6 7,' 5-/8,,<,< /' ,N5-,66 .' 6.+?$*+,' 7/5,' 7. ' 7,' .+< /0 4.* *+? .+< 3/+<.?,' 1*?7' =, ' 3,' * $1*+. ,< 3= 7,' -.=6 /0-, *?*/+2 68*,+8,2 57* /6/57=2 .+< #*- $, ' ' 4.6 . ' 7*62 7,' .81,' 50 7*6 , /@$,+8,2 7. ' 7,' 0*-6' -.=6 /0 7,' -*6*+? 6$+2 67// *+?2 .6 * ' 4,-,' 5-/57, *8. =2 7-/$?7 7,' 4*+</46 /0 7,' /$6,' /0 (/11/+62 6$??,6 ,< /' 7*1' 7,' 0/ /4*+? .5' .+< .<1*-.3 ,' @$/ . */+' 0-/1') *-?* Y

C ' ' ' ' 1(# +." ; 8# ,A8"# ." ,1# *00%*<"-' *1%", %"#?D

.+< 7,' .<<,< *11,<*. , = Y

C %%":' #,.* .86,1# *: :,1/"-' %8 ; "11' $,#+,. D' [

&-' * 06 65,,87 *+' 7,' <,3. ,' /+' &/+<.=' .6 2L' 4-* ,6 /-< $8M .+<2 4.6 7,' 0*+,6' <*65 .=' /0 , /G @$,+8,' *+' 7,' -,8/ ,8 */+' /0 7*6 8/$+ -= L' 0
7$6 0.-' &-' * 06 8/+<$8' .6 .' 6 . ,61.+' .+< .6

[,z.2", ' %"6' "' <' ' L' ? %((.,3# "0,' (0 %", "/*1' (%' "" ' +' L' ? (./' -*1)(+,3# "0,' (0 "--' <("' "" ' +' UL' 0' 8:@%*1/' (..,#+(1/,1:, 9<("' "" ' +' U

&*+*6 ,-‘ 6,,16‘ /‘ 1,-*‘ . ‘ *,‘ ,+8/1*$16‘ 4 **8 *‘ 7.#,‘ 3,,+‘ .#*67,< $5/+‘ 7*1‘ 3=‘ 7*6‘ .<1*-,-6‘ ‘ 6 * ‘ -,G 1.*+,<2‘ 7/4,#,-2‘ /‘ 3,‘ 67/4+‘ 47, 7,-2‘ *+‘ 7,‘ ,#,+‘ /0‘ .‘ #.6‘ 4.-2‘ /-‘ 7,‘ .<#,+‘ /0‘ 0*,-8,‘ 5/ * *8.‘ 8/+#$ 6*/+62‘ 7*6‘ ?-,.‘ 1.6 ,-‘ /0‘ .<1*+*6 -. *#,‘ .3* * *,6‘ .+< 5.- *.G 1,+ .-=‘ 6M* ‘ 4/$ < <*65 .=‘ 7,‘ 6.1,‘ ?,+*$62‘ 7,‘ 6.1,‘ 8/$-.?,2‘ .+< 7,‘ 6.1,‘ 8/11.+< /0‘ -,6/$-8,62‘ 47*872‘ *+‘ 7,‘ -.+@$* ‘ *1,6‘ /0‘ 5,.8,2‘ 3.< -,+<,-,< 7*1‘ 7,‘ 1/6‘ 6$88,660$‘ .+< 5/4,-0$‘ ,?*6 . /-‘ *+‘ $-/5, ‘ 7,‘ <.=‘ /+‘ 47*87‘ 7,‘ 4.6‘ /‘ 3,‘ 5$‘ $5/+‘ 7*6‘ -*. ‘ 4.6‘ 0.6‘ .55-/.87G *+?‘ +‘ -.+8,2‘ .‘ 1*?7 =‘ 5,/5 ,‘ 7.< 3,8/1,‘ 6,+6*3 ,‘ /0‘ 7,‘ 8-$,‘ 4-/+?6‘ 47*872‘ 0/-‘ 8,+ $-*,62‘ 7,=‘ 7.< ,+<$-,< 0-/1‘ 7,‘ =-.++=‘ .+< 6, 0*67+,66‘ /0‘ M*+?62‘ .+< 0-/1‘ 7,‘ ?-*+<*+?‘ <,65/ *61‘ /0‘ .‘ 5-*#* ,?,< .+< <,1/-. *>,< .-*6G /8-.8=‘ +‘ 7,‘ W 7‘ /0‘ &.=2‘ 9:; 2‘ 7,‘ <.=‘ /+‘ 47*87‘ 7,‘ -,+87‘ ,#/ $ */+‘ 1.=‘ 3,‘ 6.*< /‘ 7.#,‘ 8/11,+8,<2‘ 7,‘ ' . ,60 ,+,-.‘ 7.< 1, ‘ . ‘ '',-6.* ,6‘ +‘ 7,‘ 9_ 7‘ /0‘ A$ =‘ 0/ /4*+?2‘ 7,‘ 1,1/-.3 ,‘ 0/- -,6605-*6/+2‘ 7,‘ .6 * ,2‘ 7.< 3,,+‘ 6 /-1,< .+< 8.5 $-,< 3=‘ 7,‘ 8* *>,+6‘ /0‘ .-*6‘ +‘ 7,‘ 7‘ /0‘ 8/3,-2‘ 7,‘ 6.1,‘ =,.-2‘ 7,‘ 5. .8,‘ /0‘ '',-6.* ,6‘ 7.< 3,,+‘ . .8M,< 3=‘ .‘ 0$-*/$6‘ 1/32‘ .+< /$*6‘ 7,‘ '*N ,,+ 7‘ .+< 7*6‘ 3,.$ *0$‘ Q$,,+‘ 8.--*,<2‘ 7$13 ,< .+< ,--*0*,<2‘ /‘ 7,‘ $* ,-*,6‘ f .+< .6 =2‘ /+‘ 7,‘ +< /0‘ A$+,2‘ 9: 92‘ 7,*-‘ 0 *?7‘ 0-/1‘ -.+8,‘ 7.< 3,,+‘ 5-,#,+ ,<2‘ .+< 0-,67‘ 6$00,-*+?6‘ .+< *+<*?+* *,6‘ 7,.5,< $5/+‘ 7,*-‘ <,#/ ,< 7,.<6‘ 7,‘ 4/-62‘ 7/4,#,-2‘ 7.‘ 8/$ < 7.55,+‘ 4.6‘ =,‘ /‘ 3,0.‘ 7,1

+‘ +? .+<2‘ 7,‘ -,+87‘ ,#/ $ */+2‘ 5-,#*/$6 =‘ /‘ * 6‘ 3,8/1*+?‘ 5-/0.+,< 3=‘ 47/ ,6. ,‘ 3 //<67,< .+< 3.-3.-* =2‘ 4.6‘ 7.* ,< 4* 7‘ 6. *60.8 */+‘ 3=‘ .‘ -$,‘ /#,-6‘ /0‘ 0-,,</12‘ .+<2‘ .1/+?‘ 7,‘ 0/-,1/62‘ 3=‘ &-‘ * ‘ +‘ 7,‘ ?-,.‘ 1/#,G 1,+‘ 47*87‘ 4.6‘ .<#.+8*+?‘ *+‘ -.+8,2‘ 1,+‘ 5,-8,*#,<2‘ +/‘ /+ =‘ 7,‘ -,?,+,-. */+‘ /0‘ 7.‘ /+?0/55-,66,<8/$+ -=23$‘ 7,‘ 7/5,‘ /0‘ * 63,*+?‘ 7,‘ 1,.+6‘ /0‘ *+ -/<$8*+?‘ 1/-,‘ 7$1.+,‘ .+< *3,-.‘ *+6 * $ */+6‘ *+ /‘ 7,‘ / 7,-‘ =-.++*,6‘ /0‘ $-/5,

66/8*. */+ /+ 7,*- -*$157 /#,- <,65/ *61 .+< 3*?/ -=
3$.+ .<<-,66 /7 . ,00,8 4.6 6$36,@$,+ = <-. 4+ $5
.+< 8/+#,=,< 3= 7, (7.*-1.+ /0 7, 66/8*. */+ .-
' .+7/5,2 /7 , $M, <, . /87,0/$8.$ 2 /3, .*<
3,0/-, 7, . */+. 66,13 = /0 -.+8, 6 1*?7 3,
,N5,8 ,<2 7, -,5 = /0 7. <*6 *+?$*67,< +/3 ,1.+2 .6
4, .6 7. /0 7, -873*67/5 /0 *N2 -,6*<,+ /0 7,
. */+. 66,13 =2 ,,1,< 4* 7 -,8*5-/8. ,N5-,66*/+6
/0 ?-. * $<, .+< ?//<#< /4.-<6 7,*- 0/-,*?+ 3-/ 7,-0
.3/$-,-6 *+ 7, 8.$6, /0 *3,- =2 7$1.+* =2 .+< 7,
,N ,+6*/+ /0 7$1.+ 7.55*+,66 0 7$6 <*< ,1*+,+ .+<
-*?7 01*+<,< 1,+2 /+ 3/ 7 6*<,6 7, (7.++, E 8/+?-. $. ,
7,16, #,6 /+ 7, <.4+ /0 . -,#/ $ */+2 47*872 7/$?7
</$3 ,66 <,6 *+,< *+ 7, ,+< /.<#.+8, 7, 7.55*+,66 .+<
<*?+* = /0 7, 7$1.+ -.8,2 4.6 0/- 7, *1, 5-/<$8 *#,
/0 7, 1/6 6,+6, ,66 .+< . -/8*/$6 8-*1,6 7. ,#,- <,G
?-.<,< 8*#* >. */+2 .6 4, .6 /0 7, /+?,62 1/6 3 //<=2
.+< -$*+/$6 4.-6 47*872 *+ 1/<,-+ *1,6 7.#, <,#.6 . ,<
$-/5,

$ 47* , 7, 0-*,+<6 /0 *3,-. .46 .+< *+6 * $ */+6
4,-, 8/+?-. $. *+?7 7,16, #,6 /+ 7, 3*- 7 /0 *3,- = *+
-.+8,2 * 4.6 +. $-. 7. 2 .6 7, -*E, 87.-.8 ,- /0 7,
-,+87 5,/5 , .+< /0 7, -,+87 ,#/ $ */+ <,#, /5,<
*6,02 7,-, 67/$ < 3, 1.+= 5,-6/+6 0+ 7*6 8/$+ -= 47/
3,?.+ /0,, . .-1 0/- 7, 6.0, = /0 7, (7$-87 .+<
7, 7-/+, #,+ 6/ ,+ *?7 ,+,< .0-*,+< /0 0-, ,</1 .6
$-M, 4,+ +/ 0$- 7,- 7.+ /, N5-,66 .8/ < .+<8.$ */$6
.55-/#. /0 7, +,4 6 . , /0 .00.*-6 .8-/66 7, (7.++,
, .<1* ,<2 *+<, ,<2 7. * 4.6 #,-= *M, = /3, 5-/G
<$8 *#, /0?//<23$ 2 3,0/-, 8/11* *+?7*16, 03= 4/-<6 /0

K (./ -*1)("5, =."-,#%""# *:A8*"1-*1:, (./ (%%*1/ C=*#"1 #(; , #,1#,#(0
-"%, =(./ -).8,#- *:(6"1)*<, ,<, .@1(=1 ,1(- (1%7 /, , ; , /; (1*.:)7 *
:%, .27 *1/ *1(6"%"-7 68- +.(+, .-7 (. *- %, *#-%*1/, /+.(+, .-7 67 /, #:, 1- 81%*=08
*68#, #P 4 (./ (%%*1/3# ; / V 9 <(% "+ !L
- :%#)*"13# , ; (".# <(% "< ++ 1/, /"-"(1

.55-/3. */+2 7,' 4*67,< /' B$<?,'0/-'7*16, 02 7,'6.*<2 47, 7,-'
7,' ,.<,-6 /0' 7,' 1/#,1,+' *+' -.+8,' 4,-,' 8.5.3 ,' /0'
$6*+?' 7,*-' // 6' *+' .' 4/-M1.+ *M,' 1.++,-2 .+< 47, 7,-'
7,' -,+87' 5,/5 ,' 7,16, #,6' 4,-,'-*5,'0/-'0-,,</1
6' *1,' 5.66,< /+2 .+< .6' /+,' #*/ ,+' 5/5$.-' ,N8,66'
6$88,,<,< .+/ 7,-' *+' -.+8,2 $-M,' +/ ' /+ =' 6.4' +/'
-,.6/+' /' -,?-, '7*6'0/-1,-' ?$.-<,< 6* ,+8,2 3$ '?-.<$. ='
*13$,< 7*16, 0' 4* 7' .' <,,5' 7/--/-' /0' -,+87' 5-*+8*5 ,622
.+< .55.-,+ =' .+' . 1/6' 1/-3*< <, ,6 . */+' /0' 7,'
-,+87' 5,/5 ,' /' $6,' 7*6' /4+' *15, $/$6' 4/-<6' *+' 7,'
/$6,' /0' (/11/+62 7,' +,4' (/+6 * $ */+' /0' -.+8,' 4.6' /'
7*1' ' 7,' $+5-*+8*5 ,<2 5 $+<,-*+?2 0,-/8*/$62 3 //<=2 .+<
=-.++*8. ' <,1/8-.8=' /0' .' 5,/5 ,' 47/6,' ?/#,-+1,+' 4.6'
.+.-87=' .+< 47/6,' -, *?*/+' 4.6' . 7,*61 L'0' +' 7*6'0$- 7,-'
/5*+*/+2 +/ ' /+ =' 4,-,' 6$87' +? *671,+' ,+,1*,6' /' 7,'
' . ,' 47/' //M,< 4* 7' 0.#/$-' /+' 7,' -,+87' ,#/ $ */+2
3$ '7,' ,#,+' *+8 $<,<' *+' 7*6' .+. 7,1.6' 7,' .<#/8. ,6' /0' .-G
*.1,+ .-=' -,0/-1 ' -/1' 7,6,' .-<,+' 0,, *+?6' $+7.55* ='
-,6$,< 7,' 3-,.M*+?' $5' 0/-' .' *1,' /0' 7,' ?-,. ' F7*?'
5.-=2 .6' 4, ' .6' 7,' <*66/ $ */+' /0' 7*6' /+?' .+< 1,1/G
-.3 ,' 0-*,+<67*B ' 4* 7' / .' /N2 47/' *+' <.=6' /0' =/-,' 7.<
3,,+' *</ *>,< 3=' 7*1' .6' 0-,,</106' 1/6' , /@$,+' .+< $+G
<.$+ ,< 87.15*/+2 4.6' +/4' -,?.-<,< 3=' $-M,' .6' 7,'
.5/6 ,' /0' . 7,*61' .+< 6,<* */+' 7,' 6 /-=' /0' 7,' 0*+.'
. *,+. */+' /0' 7,6,' 4/' ?-,. ' 1,+' *6' 5.*+0$ =' *+ ,-,6 *+?'
+' 4/' <*00,-,+' /88.6*/+6' *+' 7,' /$6,' /0' (/11/+6Y'
#*>' /+' 7,' 7' /0' ,3-$.-=2 9: 2 3$ ' 1/-,' ,65,8*. =' /+'
7,' ; 7' /0' 5-*2 9: 92 47,+' $-M,' 7.55,+,< /' 3,'
.36,+ Y /N' 7.< ?*#,+' ?-,. ' /00,+8,' /' 7*6' / < 0-*,+<2
+/ ' /+ =' 3=' 7*6C<,1/8-. *8' ,+8/1*$16' /+' 7,' -,+87'
,5$3 *82 .+< 3=' -*<*8$ *+?' 7,-,<* .-=' -.+M' .+< * ,6'
.6' .+ *@$. ,< .36$-<* *,62 3$ ' 7,' 7.< 5.- *8$.- =' /00,+<,<
$-M,06' 5-*<,' .6' .+' .$ 7/-2 3=' 6+,,-*+?' . ' /+,' /0' 7,

I' ,,' ."(.3# "0,'(0' 8.@,'<(%'"'' ++'U 9 ' 1/',/"-"(1'
0' ,%#)*;3# ,;("."#'<(%'"<'+'

1/6' 3,.$*0$0' 5.66.?,6'*+' 3*6'0.1/$6'4/-M2' 7,' P ,0'
0,8*/+6'/+' 3,' ,#/$*/+'*+' -.+8,C /' 7*6'65,,87'
$-M,' 3.< 7/5,< /' 7.#,' .+' /55/-$+*=' /0'-,5=*+?'
/+' 7,'9W72' <$-*+?' 7,' <*68$66*/+'/+' 7,' $66*.+' .-1.G
1,+' /N2' 7/4,#,-2' /+' 7.' /88.6*/+2'+/' /+=' .+*G
8*5.,< 7*1' 3=' 65,.M*+?' 0*-62' 3$' ?.#,' 0-,67' R$13-.?,'
/' 7,'* $6-*/$6'6.,61.+' .+< /-. /-' 3=' .$+87*+?'*+ /'
7,' 1/6' ,+7$6*.6*8' .$<. */+6'/0' 7,'+,4' (/+6*$*/+'
.</5,< 3=' 7,' -,+87'5,/5,' +'7*6'B$<?1,+2'7,'6.*<2'
'4.6' 7,'1/6'6$5,+</$6'.+<?/-/$6',<*0*8,'/0'*3,-='
7.'7.< 3,,+',-,8,< /+' 7,'0/$+<.*/+' /0'7$1.+'*+ ,G
?-*='*+' .+='*1,'/-'8/$+-=L' $-M,2'*11,<*.,='7.'
/N'6.'</4+2'-/6,' /'-,5='/'7*1'I'3$'*'4.6'3='7*6'
1,'7-,','/08/8M+' 7,'1/-+*+?2'.+<.88/-<*+?=2'.1*<6'
1*+?,<.+< /55/6*,'8-*,6'0-/1'3/7'6*<,6'/0'7,' /$6,'
/0' '(7.*-'T 87.*-'T ,.-'T 7,.-'T -<,-'T /-<,-'TL' 7,'4.6'
8/15,,< /' -,5-,66'7,' ,N5-,66*/+' /0'7*6'6,+*1,+62'
7/$?7'+/' 7*6'*+<*?+.*/+' ' 4.6'.' 68,+,20'7,' ,NG
8.*1,<3*,-=2'47*87'4.6'/+=' /'3,'5.-.,,<*+' 7,'
5/**8.'.66,13*,6'/0'.'+,*?73/$-*+?'8/$+-=
: ',+?72'/+' 7,' 96'/0' 5-*2'/+' 7,' /88.6*/+'/0'.'
<*68$66*/+' /+' 7,' Q$,3,8' /#,-+1,+' *2'7,' /55/-G
$+*='/0'-,5=2'0/-'47*87' $-M,'7.<3,,+'6/'.+N*/$6='
4.**+?2'5-,6,+,<*6,0' '4.6'7*6'*+,+*/+2'.6'7*6'
0-*,+<6'4,-,'4,'.4.-,2' /'3-*+?'*+' /'5.=' /+' 7.'
/88.6*/+'.'7*6',/@J$,+8,2'7*6',.-+*+?2'.+<5/4,-6'/0'
+#,8#,2'*+'<*65.-.?,1,+'/0'7,'5-*+8*5,6'/0'7,' -,+87'
,#/$*/+'.+</0'*6'.<1*-,-6'*+' +?.+<' 7*6'*+,+G
*/+2'*0'5,-6*6,<*+2'1$6'+,8,66.-*=',-1*+.,'7*6'/+?'
8/++,N*/+'4*7'7,'F7*?6'.6'4,'.6'7*6'5-*#.,'0-*,+<G
67*5'4*7'/N2'.+<.88/-<*+?='7,'.,-'-,6/#,<$5/+'
8.*+?'$5/+'7*1'.'7*6'-,6*<,+8,'*+'Q$,,+'++,'-,,2'
+'7,'7/5,'/0'3,+?'.3,'/'<*#,-'7*1'0-/1'7*6'<,6*?+'
'4.62'7/4,#,-2'/'*,'5$-5/6,' $-M,2'*+<,,<2'-,0

8,*#,< 7*1' 4* 7' . ' 7,' 8/-<*. * =' /0' 0/-1,-' *1,62' 65/M,'
/' 7*1' /0' 7,' M*+<' 1.++,-' *+' 47*87' 7,' *+?' 4.6' 6.*<
/' 7.#,' . , =' 1,+ */+,< /N06' +.1,2' +.=2' ,#,+' 8/+0*<,<
/' 7*1' 7,' .-?$1,+ 6' 47*87' 7,' *+ ,+<,< /' 1.M,' $6,' /0'
+' 7,' /$6,' /0' (/11/+6' .?.+6' -,+87' 5-*+8*5 ,6' .+<
-,+87' <,#*8,6' $-M,2' 7/4,#,-2' 7.< 0$ =' 8/+#*+8,<
7*16,0' 7.' 7,' 7.< <$*,6' /' 5,-0/-1' /' 7*6' 8/$+ -=' .6'
4,' .6' /' 7*6' 0-*,+<2' .+< 8/+6,@$,+ =' /N06' 4/-<6'
0,' $5/+' *+6,+6*3 ,' ,.-6' 7,=' +,#,-' .?.*+2' *' *6' 6.*<2'
1,'*+' 7,' 6.1,' .5.- 1,+'I .+< 47,+2' .' 7,' ,+< /0' 7,*-'
+ ,-#,42' 7,=' 4. M,< /?, 7,-' /E 7,' /$6,' /0' (/11/+62'
*' 4.6' 7,' .6' *1,' 7.' 7,' .-1' /0' /N' 4.6' ,#,-' 5.8,<
*+' 7.' /0' $-M,

', </1' 7.6' .' 1/-,'*15/- .+' <,3. ,' .M,+' 5.8,'*+' 7,'
/$6,' /0' (/11/+6' 7.+' 7.' /0' 7,' K7' /0' &.=2' 9: '
7,' 5.-.1/$+' /3B,8' /0' $-M,' 4.6' /' 4.-+' .+< 8/+#*+8,'
7*6' 0, /408/$+ -=1,+' /0' 7,' <.+?,-' /0' *1* . *+?' 7,'
,N.15 ,' /0' 7,' -,+87' 5,/5 ,'I 47* ,2' /+' 7,' / 7,-' 7.+<2'
7,' *3,-.' 5.- =2' .0-.*<' /0' 7,' 5-/3.3 ,' ,00,8 6' /0' 7*6' 0,-#*<
.+<' *+<*?+.+' , /@$,+8,I' 4,-,' -,6/ #,<2' *0' 5/66*3 ,2' /' 5-,G
#,+' 7*6' /3 .*+*+?' .' 7,.-*+?' 88/-<*+? =2' 7-/$?7/$'
7,' 0*,-8,' .+< , /@$,+' *+#,8*#,6' 47*87' 7,' 5/$-,' <0/-7'
.?.*+6' 7,' 8/+6*$*/+' .+<' ?/#,-+1,+' /0' -.+8,2' 7,' 4.6'
-,5,. ,< =' .66.* ,< 3=' 8-*,6' /0' ' -<,-2L' 3=' 3// *+?62' .+<
/7,-' /00,+6*#,' *+ ,--$5*/+62' 7$6' 5-/<$8*+?' .+' *--* . */+'
*+' 7*6' 1*+<' 47*87' 7,' .+?$.?,' /0' /N2047,+' 7,' -/6,'
/' -,5 =' /' 7*12' 4.6' 0.-' 0-/1' 7.#*+?' .' ,+<,+8=' /'
. .=' 7,' -*?7 6' /0' 7,' 5,/5 ,2' ,N8.*1,< /N2' 4,-,'
-,8/?+*6,< *+' 7,' ' . $,0 //M' 7,=' 4,-,' 7,' 3.6*6' /0'
7,' -* *67' (/+6*$*/+' 7,=' 4,-,' *+7,-,+' -*?7 6'
47*87' +/' 5-,68-*5*/+' 8/$< 6$5,-6,<,2' .+< +/' .88*<,+'
8/$< -,1/#,' /-' /3*,-. ,' 7,6,' 7.< 3,,+' 0/-1,-=' 7,'
5-*+8*5 ,6' /0' 7*6' -*?7' 7/+/$-.3 ,' 0-*,+<2' 0-/1' 47/6,' *56'
7,' 7.< ,.-+,< 7,12' 7/$?7' 7,' +/4' -*<*8$,< 7,1' .6

1,-,' #*6*/+.-=' +/ */+6' .#*+?' 3,,+' .+?3 ' 3=' 3. '
0-*,+<' 3. '+/'-,#/ ' /0' .' +. */+' 4.6' ,#,-' 8.$6,< 4* 7/$ '
5-/#/8. */+2'3,'8/$ <' +/ '3$ '-,B/*8,' . ' .' ,#/ $ */+' 47*87'
-,6 ,<' $5/+' 7,' 6.1,' 3.6*6' .6' /$-' /4+Y 7,' *1 1$ .3 ,'
.+<' $+.7,+.3 ,'-*?7 6' /0' 1.+

?.*+' $-M,' .-/6,' /' .<<-,66' 7,' /$6,' ' 5,-6/+. '
. .8M2' 7,' 6.*<2' 7.< 3,,+' 1.<,' $5/+' 7*1' 3=' /+, /0' 7,'
/ <,6' /0' 7*6' 0-*,+<6' ' (,- .*+ =2L' 7,' /36,-#,<2' '* '*6' *+G
<*68-,, ' . ' .+=' 5,-*/<2' 3$' ,65,8*. =' . ' 1=' *1,' /0' *0,2' /'
5-/#/M,' ,+,1*,6' /-' ?*#,' 1='0-*,+<6' /88.6*/+' /' <,6,-' 1 ,f
=, 2' *0' 1='0*-1' .+<' 6 ,.<=' .<7,-,+8,' /' 7,' -* *67' (/+G
6 * $ */+' 5 .8,' 1,' *+' 6$87' .' <* ,1 1.2' ' .1' -,.<=' /'-*6M'
. 2' .+<' 4* 7' 1=' .6' 4/-<6' /' ,N8 .*1 Y' =' 0-/1' 7,'
-,+87' (/+6 * $ */+T¢L' /N' 7,-,' 47*65,-,<' 7. ' 7,-,'
4.6' '+/' /66' /0' 0-*,+<67*5 L' '),62L' 6/ ,1+ =',N8 .*1,<'
$-M,2' ' ' -,?-, ' /' 6.=' 7,-,' " ' M+/4' 7,'#. $,' /0'
1=' *+,' /0' 8/+<$8 ' ' 7.#,'*+<,,<' 1.<,'.'?-,.'6.8-*0*8,'
' 7.#,' </+,' 1=' <$ =2' 7/$?7' ' 7.#,' /6' 1=' 0-*,+<'
7,-,' *6' 6/1, 7*+?' *+' 7,' .88$-6,<' -,+87' ,#/ $ */+'
47*87' ,+#,+/16' ,#,-= 7*+?' * ' /$87,6 L

7,6,' 4/-<6' 6/' 6,+6*3 =' 1/#,<' 7,' -$ =' .00,8 */+. ,'
7,.-' /0' /N2' 7. 2' /+' -*6*+?' /' -,5 =2' 7,' 4.6' 6/' /#,-G
8/1,' .6' /' 0*+<' * ' <*00*8$ ' /' ?*#,'$,-.+8,' /' 7*6' 4/-<6'
,'+/ ' /+ =' 67,<' ,.-62' 3$' 4.6' .00,8 ,<' ,#,+' /' 6/33*+?'
$-*+?' 7,6,'5.*+0$' 1/1,+ 6' +/ ' /+ =' <*<' .+' *15-,66*#,'
6* ,+8,'5,-#.<,' 7,' /$6,2' 3$' 7,-,' .-,'6.*<' /' 7.#,'3,,+'
5,-6/+6' *+' 7,' ?. ,-=' 47/' <,8 .-,<' 7,-,' 4.6' +/ ' .' <-='
,=,' .-/$+<' 7,1' F7,+' /N' . ' ,+? 7'-,8/#,-,<' 7*16, 02'
7,' 1.<,' .' .6' . ,152' *+' .+?$.?,' ,@$. =' 1.+ =' .+<'
/$87*+?2' /' -,8/#,-' 7,'0-*,+<67*5' /0' 7. ' * $6 -*/$6' 1.+'
47/6,' <*68*5 ,' 7,'7.<' 3,,+' 5-/$<' /' 8. ' 7*16, 0' $-M,2'
7/4,#,-2' 4.6' +/ ' /' 3,' .55,.6,<' *6' $5-*?7' .+<' .-<,+ 2'
7/$?7' 5-,B$<*8,<' 1*+<2' 67-.+M' 0-/1' .' 0-*,+< =' 8/1G
1$+*/+' 4* 7' /+,' 47/6,' 5-*+8*5 ,6' 7,' 3, *,#,<' ,+<,<' /

-,3, */+ .+< .+.-87=E .+<2 .88/-<*+? =2 7$6 1/$-+0$ =
4.6 3-/$?7 /.8/6, . 1,1/-.3 ,0-*,+<67*5 47*87 7.<
6$-#*#,< 7, #*8*66* $<,6 /0 . @$.- ,- /0 . 8,+ $-=2
0 ,-. 2L/36,-#,< /N /?,-6 7,5/,2 1.+= =,.-6
.0 ,-4.-<62 $-M, 4.6 . <OOOOO< 4-/+?7,.<,< 0, /4
7-/$?7 *0,I . 4.=6B,. /$6 .+< 8/+ -.<*8 /-= LT

I ."(.3# "0,' (0 8.@,'<("'""'++' ! ' U'? *.% -*1)(+,3# "0,' (0 "--'<("'
""'++' 9 L
-' ,:(%%,:-"(1# (0 ' (2,.#'+'UU

(

"<"#"(1# 1 ; (12-),'PE)"2# (1-),'#865,:-'(0 *.%"* ; ,1-*.7 ,0(. ;'4 ,<(%8-"(1*.7 (:",-",# "1 12%*1/'4' A8*1" ;"-7 (0-),' "12'4' .(+(#,/' (*%"-"(1'6,-=,,1' -),' (.",# *1/'-),' (1#,.<*-"<,'#,:-"(1'(0-),' E)"2# 4'),' "12'0*<("8*6%,'-('1' (*%"-"(1'4'$*:"%%*-"12':(1/8:-'(0-),' 8@,'(0 (.-%*1/'4')*12,# "1'-),' /;'G 1"#-.*-"(1 4 (>'*::8#,/'67'6"# 0.",1/# (0'6.,*@"12'8+'-),'2.,*-'PE)"2'+*.-7 4' "# 1*;,'#-.8:@'(00'-),'%"#-'(0 ."<7' (81:"%%(.# 4' "--'*1/'-),' "12'#,<,.*%%7' *<,.#,'-('*'=*.'="-)' .*1:,4 800,."12# (0' (8"# ' $ '*1/' *.",' 1-("1,--,

' , /@$,+'4-**+?6'.+<'65,,87,6'/0' $-M,2'5/4,-0$'.6' 4.6' 7,' ,00,8'47*87' 7,='5-/<$8,<.' 7,' *1,2'0/-1,<2' .0 ,-'. 2' /+='/+,' /0' 7,' ,.<*+?' 8.$6,6' /0' 7,'<*#*6*/+' 47*87' +/4' //M' 5.8,'*+' 7,'-.+M6' /0' 7,'F7*?' 5.-='7,'#*/ ,+'8-='0/-' .-7.1,+ .-='-,0/-12'47*87'4.6'-.*6,<' 7='/+,' 6,8*/+' /0' 7,' 5.-='2' 4.6' .6' 6-/+?='-,5-/3. ,<' 3='7/6,'47/'4,-,'6='<' 7,' '. .-1*6' F7*?6 L' 7,-,' 4.6' </$3 ,66' 1$87' /' 7,' 6.*<' /+'3/'7' 6*<,6' ='7,' . ,-'*' 4.6' .-?$,<' 7.' .' 1/-,' $+5-/5**/$6' 6,.6/+'0/-' . ,-*+?' 7,' -,5-,6,+ . *#,' 6=6 ,1'*' 4/$<' 7,' *15/66*3 ,' /' 6, ,8 ' 6/'8-**8.' .' *1,2' 7,='6.*<Y47,+' .<1*G -.*/+' /0' 7,' </8-*+,6' /0' 7,' -,+87' ,#/ $*/+' 4.6' +/' /+?,-'8/+0*+,<' /' .' 0,4' 4*<' #*6*/+.-*,6Y-,0/-1' 1,.+' +/ 7*+?' 1/-,' +/-' ,66' 7.+' .' 6$3#,-6*/+' /0' 7,' /#,-+1,+2' .+<2' *0' 8/+8,<,<2' 1*?7' <-.4' </4+' -$*+' .*M,' /+' 7,' (7$-872' 7,' 7-/+,2' .+<' 7,' .-*6 /8-.8='$' 7,' 3/<,-' .+<' 1/-,' *3,-.' 6,8*/+' /0' 7,' F7*?' 5.-='.-?$,<' #,-='<*00,-,+ =' 7,' (/+6*$*/+2' 7,=2' 6.*<2' 4.6' +/ /-*/$6='*15,-0,8' *+' 5-.8*8,' F7, 7,-

5/6,' 7. ' 7,=' 4,-,0 +/ ' 1/-,' 7.+' .' *+. 87' 0/-' 7,' 7. 00'
8-.>,< 65,8$. *6 6' .+<' -/*/3 /-. /-6' 47/' 4,-,' 8 . 1/$-G
+?' 0/-' // ,N ,+6#,' (/+8,66*/+6E' .+<22' .6 =22' 7. ' 6/'
0.-' 0-/ 1' * 6' 3,*+?' +,8,66.-=' '*+#,6 ' *,' /#,-+1,+'
4* 7' .+=',N -./-<*+.-=2.+<' $+8/+6 * $ */+. ' 5/4,-62' 7,'
.4' /0' 7,' .+<2.6B ' 6 //<2 4.6' . 15 =' 6 -/+?' ,+/$?7' /'
5-/ ,8 ' 5-/5,- =' .+<' /' 6$55-,66' *$6$-0,8 */+' .+<' <*6/-<,-
+' 7,P/ 7,-' 6*<,2 7,' *.#/$-* ,' / <' 4 .-08-=' /0' 7,'
/-*,62' 7. ' 7,' (7$-87' 4.6' 1' <.+?,-2' 4.6' -.*6,< 4* 7' * 6'
8$6 / 1.-=' 6$88,66E' ' .6=' ,+/$?7' * ' 4.EYE0/-' 7,' 0.8 6'
4,-,' *+8/+ -/#,- *3 , Y /' 5/*+ ' /' 7,' . -/8*/$6' 3.-3.-*G
*,6' 47*87' 4,-,' 3,*+?' 5,-5, -. ,<' *+' -.+8, Y. -/8* *,6' . '
47*87' 7,' 3 //< 6 * ' 8$-< ,6' .+<' 7,' 7, .- 6 * '26*8M,+6 Y'
.+<' 47*872 1/6' $+0/- $+. , =2 4,-,' 8/1 1* ,< *+' 7,'
7/ =' +. 1,' /0' 0-, ,</1 ' $ ' 7,-,' .?.*+' 7,' *3,-. ' 5.- ='
7.< 7,*-' -,5 =' 0 +<*?+.+ =' 7,=' *+6*6 ,< 7. ' 7,C
5-,6,+' 5/5$.-' ,N8,66,6' *+' -.+8,' 65-.+?' +/ ' 0-/1'
0-, ,</12 7$ ' 4,-,' 7,' -,6$ 6' /0' =-.++=' .+<' /55-,66*/+'
+<*?+.+ =' 7,=' 5/*+ ,<' /' 7,' -,8,+' +,0.-*/$6' 5.-G
* */+' /0' / .+<f' /' 7,' . ,' 1,+.8*+?' 8/+0,-,+8,' /0' 7,'
$6 -*.+' .+<' -$66*.+' <,65/ 6f' /' 7, 1.-87' /0' 7/6,'
15,-. ' #$ $-,6' $5/+' .-*62' .+<' 7,*-' ,#*<,+' <,6*?+' /'
5/66,66' 7,16, #,6' /0' 7,' 0.*-,6' 5-/#*+8,6' /0' -.+8,f' /'
7,*-' +/ /-*/$6' .+ .?/+*61' /' 7,' 73,- *,6' /0' 7,' 7$1.+'
-.8,' f' /' 7,*-' <.-*+?' /' <*8 . ,' /' .' +. */+' /0' 0-, ,1,+' 7,'
.1/$+' /0' *3,- =' 47*87' * ' 4.6' -*?7' /-' 6.0,' 7. ' 7,='
67/$ <' ,+B/=f' .+<2.6 =2 /' 7,' *+6/ ,+' .+<' . -/8*/$6'
5-/8 .1. */+' /0' 7,' $M,' /0' -$+64*8M2 7-, . ,+*+?' .-*6'
4* 7' / . ' <,6 -$8 */+2.+<' * 6' *+7.3* .+ 6' 4* 7' 1* * .-='
,N,8$ */+' A ' f ,N8 .*1,< 7,' *3,-. '05.- =' *+' +? .+<f'
* ' 4.6' +/ ' 0-, ,</12 3$ ' =-.++=2 47*87' 4.6' -,65/+6*3 ,'
0/-' 7,' 8-*1,6' /0' 7,' -,+87' 5,/5 ,' ' /' <,3.6*+?'
7.< 3, ,+' 7,' *+0.1/$6' <,65/ *61' $+<,-' 47*87' 7,=' 7.<'
?-/.+,<2.6 E/ 7.#,' $+0* ,<' 7,1' /' $-+' /' .' 5-/5,-'
.88/$+2 . ' . ' /+8,2 7,' *+,6 *1.3 ,' 3 ,66*+?' 47*87' 7,=

7.< .8**,#,< 0/-' 7,16, #,6' $2' 3,8.$6, =-.++=' 7.<
5-/<$8,< 7*6',00,82' .+<'07.< 1.<,' 7,1' 6 .#,62' D4.6**' /'
3,' ,+<$-,< 7.' 7,=' 4,-,' .7*.=6' /' 3,' M,5' 6 .#,6S'
' /†L',N8 .*1,< '7,-*<.+2'*+' .+' , /@$,+' -,5 =' /' /-<
&/-+*+? /+2' *+' 7,' /$6,' /0' (/11/+6Y F*< .+<
$+6, ,< .6' 7,*-' 6 . ,' /0' 1*+< +,8,66.-* =' 4.62' $5/+'
7,' ,#,+ 6' 47*870 7-,4' 6$87' 5/4,-' 6$<<,+ =' *+ /' 7,*-'
7.+<62' 7,' 61 -/$7<*7?' ' . ,6' ?/.<,< 7,1' *+ /' .' 6 * '
1/-,'6.#.?,'6 . ,' /0' 1.<+,66220$-=2' .+<'<,65,-. */+' F ,'
$+6, ,< 7,*-I'-,.6/+' .+< 7,+' -,#* ,< 7,*-' *+6.+* ='
F ,'<-8N#,' 7,1' /' 7,' ,N -,1**,6' 7.' 5-/<$8,< 7,' ,#* 6'
4,'.--.*?+,<' F ,'3.* ,< 7,1' *M,'3,.6 62'$+ **' .' ,+? 7'
4,1.<,' 7,1 6/' 7,' 8/+65*-.8=' /0' * +* >2' .+<' +,'
3-$.' 7-,. 6' /0' 7,' -/=.' .3, /-6' /0' 7.' 5 /' .?.*+6'
7,'-*?7 6' /0' +. */+6' .+<' /0' 1,*-2' 7.#,'*+' -$ 7' /' .+64,-'
0/-' . ' 7,' .<<* */+.' 1*6,-=2' 7/--/-62' .+<' *+*@$* =2' 47*87'
7.#,' 6*+8,' <*6?-.8,< .+<' *+8,+6,< 7$1.+* =' '$87' 7.6'
3,,+' =/$-' 8/+<$8' /4.-<6' -.+8,' 7.' =/$' 7.#,'8-,. ,83'
7,'5.66*/+6' 47*87' =/$' 5,-6,8$,')/$' 1.-M' .'+. */+' /'
3,' 8$' /00' 0-/1' 7,' 4/-<')/$' 8/#,+.+' 0/-' 7,*-' ,NG
,-1*+. */+')/$' 64,.-' /' 7$+' 7,1' *+' 7,*-' *+1/6'
-,8,66,6')/$' /.< 7,1' 4* 7' ,#,-=' 65,8*,6' /0' ,N,8-. */+2'
.-*< =/$' +/4' 8/1,' 0/-7' 4* 7' 47*+*+?' <,8.1. */+6' /+'
7,' 7/--/-' /0' 7,*-' $-+*+?' $5/+' =/$' 4* 7' 7,' 7/--/-'
47*87' =/$' *+65*-,<L

F7,7,-2'.' 7*6'8-* *8.'5,-*/<*+' /$-'7*6 /-=2' 7,'(/+6*G
$*/+'/0' -,.' -* .*+' 4.6',N5/6,< /' 7,'?-,. ,-' .1/$+'
/0'<.+?,-' 0-/1'_7,' ,N.15,' /0' -,+87' 5-,8,56' .+<' ,NG
8,66,62' /-2/+' 7,'/7,-'7.+<20-/1' *,'.-3* -.-=' -,6 -*8*/+6'
47*87' 4,-,' *15/6,< $5/+' * ' 3=' 7,' /#,-+1,+2' 4,'</'
+/' 0,,' 8. ,< $5/+' /' /00,-' .+' /5*+*/+' ,#,-7, ,662'
7.' 7*?7' /-=' </8-*+,6' 4,-,' 3-/.87,<2' .+<' .' 6-, 87'
/0'5/4,-' ,N,-8*6,<2' 47*87' 4,-,' 8. 8$. ,< /' 8-,. ,' ,@$.'
. .-1' .+<' *+<*?+. */+' *+' 7,' 3-,.6' /0' ,#,-=' /#,-' /0

I' ((.,3# "0,'(0' %":."/*1'<(%'""'++' ! ' ! '!./',/"-"(1
$ ' '

0-,,</ 1 8.+ 68.-8, = 4, 7*+M 3, <,+*,< /- *+6 .+8, 47,+ 4, 0*+< 6/ .3 , .+< *.0 $,+ *. . 5,-6/+ .6 - 7$-) /$+? 7, .?-*8$ $-*6 5$3 *67*+? 7, 6 .=*67 </8 -*+, 7. $+,@$. -,5-,6,+ . */+ -/ ,+ 3/-/$?76 .+< 8/--$5 5.- *. 1,+ .-= 1 .B/-* *,6 .-, +/ /5 = +/ <-. 43.8M 3$.-, 8/+<$8*#, / +? *67 *3,- = Y .?.*+ 47,+ 4, -,.< /0 7, -,6*<,+ /0 . 5/5$.- /=. 66/8*. */+ .<#/8. *+? 7, 0-*?7 0$,+, 7. 7, (/-+1/** ' /0 +? .+< <,-*#, 7,*- 5/ * *8. ,N*6 ,+8, .+< .$ 7/-* = 0-/ 1 7, *+? .+< 7. 7, *+? 8/$ < 8.--= /+ 7*6 0$+8 */+6 .6 4, 4* 7/$ .6 4* 7 7,1 Y .?.*+ 47,+ 4, <*68/#,- .7*67/5 5-,.870- *+? 7, ,N5 /<,< </8 -*+, 7. 7, P /55/6* */+ / 7, 6/#,-,*?+ 5/4,- *6 .+ /55/6* */+ / /<0 5-/#*<,+ *. .--.+?,1,+ 62L .+< .+/ 7,- 3*67/5 .66,- *+? *+ 7, /$6, /0 /-<6 7. 7, 5//- 7.#, +/ 7*+? / </ 4* 7 7, .46 3$ / /3, = 7,1LY .+< .6 = 47,+ 4, 0*+< 7, /-< A$6 *8, (,-M /0 '8/ .+< <,8 .-*+? 0-/ 1 7, ,+87 7. 7, .+<,< *+ ,-,6 . /+, 7.6 .-*?7 / 3, -,5-,6,+ ,< *+ .- *. 1,+ .+< 7. 5,/5 , 47/ 5/66,66,< +/ 7*+? 3$ 5,-G 6/+. 5-/5,- = 4,-, +/ 7*+? 1/-, 7.+ .-.33 , 4* 7/$.+= 8 .*1 /3, -,5-,6,+ ,< Y 4, 6$-, = 1 .= 3, ,N8$6,< *0 4, 8 /6, 4* 7 67.1, *+<*?+. */+ .+< 8/+ ,15 7, 5.?,6 47*87 8/+ .*+ 6$87 <.+?,-/$6 .+< ?-/#, *+? 6/57*6 -*,6 . , ,#,+ 62 7$62 *+ 7/6, <.=6 /0 5/7C *8. .?* . */+ .+< . .-1 <*< 1,+ .-?$, .88/-<*+? / 7,*- 5-*+8*5 ,62 7,*- P5-,B$<*8,62 /- 7,*- 0,.-6 + 7, /5*+*/+ /0 7, /-*,6 .+< /0 7, .-*6 /8-. *8 F 7*?62 7, 8/+<$8 /0 &- * 2 <$-*+? 7, -,+87 -,#/ $ */+.-= 8-*6*62 6.#,< 7, 8/$+ -= 0-/ 1 .+.-87= .+< 3 //<67,<f 47* ,2 /+ 7, / 7,- 7.+<2 * 4.6 7, 8/+#*8 */+ /0 7, 61. 57. .+N /0 47*87 /N .+< -,= 4,-, 7, *+ -,5*< ,.<,-62 7. 7, 4.6 5* / *+? 7, (/+6 * $ */+ / 7, 3-*+M /0 -$*+ 0

I ((.,3# "0, (0 %"(.8%*1 <(% "" ++ L 9 L ! ./ ,/"-"(1 *.% -*1)(+,3# "0, (0 "-- <(% "" ++ ! -C), ; *"1 +("1-# (0 /"00,.,1:, 6,-=,,1 8# D =."-,# .)(; *# .,1<"%%,-(' (> *- *% *-,.+,0"(/ \ -) ,:,;6,. !N C*.,- =( ), 1,"# .,#+,:-"12 -),

' * ' ' ' ' '

:'' **-< 8.$6,' /0' 7,' <*6$+*/+' *+' 7,' -.+M6' /0' 7,' 55/G
6* */+' 4.6' 7,' <*66. *60.8 */+' 0, ' 3=' 7,' (/+6,-#. *#,'
6,8 */+' /0' 7,' F 7*?'5.- =' . ' 6/1,' /0' 7,*-' 1/-,' *3,-. '
0-*,+<6' 7.#*+?' B/*+,< 7,' 8, ,3-. ,< '/8*, =' /0' 7,'
' -*,+<6' /0' 7,' ,/5 ,2L' 47/6,' 5-/0,66,< /3B,8' 4.6' 7,'
8/--,8 */+' /0' ' . ,' .3$6,6' 3=' 5-/8$-*+?' .' .-?,' ,N ,+6*/+'
'/0'5.- *. 1 ,+ .-=' -,5-,6,+ . */+'' 7,-,' 4,-,' 1.+=' 4, 0'
*+0/-1,< 5,-6/+62' 7/4,#,-2' 47/' 3, *,#,< 7.' 7,' 66/G
8*. */+' 8/+ .*+,< 1$87' 1/-,' <.+?,-/$6' , ,1,+ 62' .+<
8/+6,@$,+ =2' 47,+' 7,=' 3,7, < 1,+' /0' 7*?7' 6/8*.' 5/6*G
*/+2E' .+< /0' <*6 *+?$*67,< . ,+ 2' ,.?$,' 4* 7' *+<*#*<$. 6'
047/' 4,-,' *+/-,' 7.+C6$65,8 ,< /0' 7.-3/$-*+?' -,5$3 *8.+'
<,6*?+62' 0*' /88.6*/+,< .+' .1/$+' /0' . .-1' 47*87' . *M,'
5-/#,< <*6.6 -/$62' 0/-' .' *1,2' /' 7,' 8.$6,' /0' 1/<,-. ,'
-,0/-12' .+<' .66*6 ,< /'B$6 *0=' 7,' 7.-67' -,5-,66*#,' 1, .6$-,6'
47*87' /#,-+1,+' 7.<' *+ -/<$8,<' +*/+?' 7,' ,.<*+?'
1,13,-62'0/-'*+6 .+8,2' 4,-,' &-' -,=2' '*-' A.1,6' &.8*+ /672'
&-2' .0 ,-4.-<6' /-<2' -6M*+,2' F 7* 3-, .<2' '7,-*<.+2' *,-G
+,=2' 7,' .-'/0' .$<,-<. ,2' 7,' /-<6' .8-,' .+<' *++.*-<2'
/-<'A/7+' $66, 2'.0 ,-4.-<6' $M,'/0' ,<0/-<2' /?,-6' 7,'
5/, 2' *?/ 2'.0 ,-4.-<6' '/ *8* /-0 ,+,-. 2'.+<' ,.872'.0 ,-G
4.-<6' "*8,0(7.+8, /-' /0' +? .+<' 7/$?7' /N' +,#,-'
B/*+,< 7,' 66/8*. */+2' *'+,#,- 7, ,66' 6,, 16' /'7.#,'7.<7*6'
0$' 6.+8 */+' .+<'6$55/-' ' $-*+?' 1='0. 7,-0' .6'* +,662L'
4-* ,6' /-<' -,=06' 6/+' .+<' 3*/?-.57,-2' '47,+' +/' /+?,-'
.3 ,' /' 4. M2' 7,' $6,< /' 3,' 47,, ,< .3/$' 7,' 7/$6,' *+' .'
87.*-2' .+<' /+' /+,' /88.6*/+' 6 /55*+?2' .6' 7,' /0 ,+' <*<2' 3,0/-,'
&-' /N06' 3$6 2' .+< 65, .M*+?' /0' 7,' *+0 $,+8,' 7,' 7.<07, <'
/#,-' 7*12' 7,' .<<,<0-0P) , ' 7,' <*< +/' . 4.=6' $6,' * ' .6' 7,

=*.'9="-)' .*1:(' =)":)' 7(8' :(1/, ; 1' *1/' (++(#,' =)"%,' ' -)"1@' "-' -),' 2., *-,#-' (0'
*%%' /8-",#' -(' #8++(.-' *1/' ; *"1-*"1' "-' -(' -),' 8- ; (#-'),' (-),' .,#+,:-#' *1' *++.,G
),1#"(1' =)":)' ' ,1-, .-*"1' (0' -)(#,' +."1:"+%,#' *1/' /,#"21#' "1' -)"#' :(81-.7' */<, .#,'
-(' -),' :(1#"-8-"(1' (0' "-?=)":)' ; *@,#' ; ' 0, ,%' "-' -(' 6(' ; 7' /8-7' -(' .,#"#-' =)*-,<, .'
:*1' 2"<,' -(' #8:)' /,#"21#' ,"-), .' #-.,12-)' (++(.-"; "-7' (.' :(81-,1*1:,? =)"%,' 7(8'
(1'-),' (-),.')*1/'6(%",<(' 1' 1(' #8:)' /,#"21#' *1/' 6,%",<,' -),' /*12, .'-(' *."#,' 0.(;'
-),.,' 6,"12'-((' %"--%,' #+"."-' (0' 0.,' "1A8".7' *1/' .,#"#-*1:,' "1' -),' ; "1/# (0'-%","+,(+%,'
(0'-)"#' :(81-.7 P 4 *.% 8##,%%B#' ; / ' ' 7'<(%' """"' +' !'

1*?7 ' 7.#,' </+,' +,' 4/-< 0-/1' 7*1' 4/$ < 7.#,' M,5 ' 1,' /** ' /0' . ' 7,' 1,66' /0' 7,' P -*,+<6' /0' 7,' ,/5 ,2C 7$ ' 7,' +,#,-' 65/M,' * CC ' 4.6' -$,2 6.*< /-< -,=' /0' 7*1G 6, 02 7. ' 7,' 5/ * *8. ' 5-*+8*5 ,6' 47*87' 7,' .<#/8. ,< *+' 7/6,' <.=6E4,-,' +/ ' 1/-,' .<#.+8,< 7.+' 7/6,' 47*87' 7,' .0 ,-4.-<6' 8.--*,< *+ /' .4' 47,+' 0*-6 ' &*+*6 ,-' /0' 7,' (-/4+' *+' 9; 2 3$ ' 7,' .<<,< 7. 2 7/$?7' +/ ' .4.-,' /0' 7,' 0.8 ' . ' 7,' *1,2 7,-,' 4,-,' $+@$,6 */+.3 =' 8,- .*+' 1,13,-6' /0' 7,' 66/8*. */+' 47/6,' ,+, 6' 4,-,' /0' 6/' $ -.' <,1/8-. *8' .' 87.-.8 ,-' .6' /' -,+<,-' * ' $+6.0,' /' 7/ < 8/10' -+$+*8. */+' 4* 7' 7,1 ' ' +' 1,+ */+*+?' 7*6' 8*-8$1G 6 .+8,' /' 7,' . ,' /-< .8-,2L' 4-* ,6' ,+,-. ' -,=2 ' 7,' / < 1,' 7,' -,1,13,-,< &-' /N' $6,< . 4.=6' /' 6.=' 7,' <*< +/ ' *M,' /' <*68/$-.?,' 7,' ' " ' ' ' 8.++/ 2L' 4-* ,6' 7,' *+?2' *+' -,0,-,+8,' /' 7,' +,4' '/8*, =' .+< /' /N06' #*/ ,+' .+?$.?,' *+' .- *. 1,+ 2 6,' .+=' 6$36 .+ *. ' <*00,-,+8,' *+' 7,*-' 3,*+?' B/*+,< *+' <,3. ,' 3=' &-' /N2 .+< 7*6' +/ ' 3,*+?' .' 1,13,-' /0' 7. ' '/8*, = L' 0' D

*6.6 -/$6' .6' 7,' 65-,.< /0' -,+87' -,#/ $ */+.-=' 5-*+G 8*5 ,6' 1*?7 ' 5/66*3 =' 5-/#,' /' 7,' (-/4+' .+< (/+6 * $ */+' /0' -,. ' -* .*+2' 4,' +,#,-7, ,66' 0*+< 07,' *+?' 4. 87*+?' 5.66*+?' ,#,+ 6' 4* 7' 7,' ?-,. ,6 ' ,@$.+*1* =2 .6' 4, ' .6' 65,.M*+?' .+< 4-* *+?' /0' 7,1' 4* 7' ,15,-' .+< B$<?*+,+ ' ,' 8/+#,-6,<2L' 6.*< &*66' $-+,=2 47/' 76 ,+,< /' 7*12*+' &.<.1,' '874, ,+3,-?06' .5.- 1,+' *+' 5-* 2 9: 2 ' . 1/6' 47/ =' 4* 7' ,+,-. ' -,+#* ,' $5/+' 7,' .00.**6' /0' -.+8,2 .+< *+' . 1 .++,-' 6/' $+.00,8 ,<2 /5,+2 .+< 1.+ = Y 6/' 7*?7 =' 6$5,-*/-' /' . ' <,65/ *8' 5-*+8*5 ,6',#,+' 47* ,' 1/6' 8/+<,1+G *+?' 7,' $+ *8,+6,< 0$-=' /0' 7,' .-*6*.+' 1/3 Y 7. ' ' 4*67,< . ' 7,' +. */+6' /0' 7,' 4/- < /' 7.#,' 7,.-< 7*12 7. ' 7,=' 1*?7 ' 7.#,' M+/4+' 7,' -,. ' ,N*6 ,+8,' /0' .' 5. -*/ ' *+? L' A

I' "0,' *1/' +"1"(1# (0' *.% .(7'67')"# (1' ",8-9 ,1(.*% -),' (1')*.%,# .,7' ++' ' ' ,,' *%#(' (./' (%%0 ; /'# , ; (".# (0'-),' E)"2' *.-7' <(%' "' +' L' ? *1/' *.% 8##,%%B# , ; (."*%# (0' (>' <(%' """' +' '
0' *.% -*1%"(+,3# "0,' (0' "--' <(%' "" ' ++,1/">' +' >"<'
-' */* ; ,' 3 -)%*73# , ; (".#' <(%' <' +'

'*1* .- =' ,15,-. ,' .+< B$<*,*/+6 4.6 *,' .+?$.?,' .+< 8/+<$8 ' /0 ,/-?,' 7,' 7*-< <$-*+?7 ,' *-1*+?7.1 ' -*/ 6 *+' 9: 92 47,+2 /+' 7,' /88.6*/+' /0 -' -*,6 ,=' .+< 7*6 5/ * *8. ' 0-*,+<6 8, ,3-. *+?7 ,' 6,8/+< .++*#,-6.-=' /0 7,' 8.5 $-,' /0 7,' .6 * ,' 3=' .' 5$3 *8 <*++,-2 7,' /=. ' 5/5$G . */+' /0 *-1*+?7.1 ' . .8M,< 7,' 7/ , ' *+' 47*87 7,' <,1/8-. 6 4,-,' <*+*+?2 .+< .0 ,-4.-<6 <,1/ *67,< -' -*,6 ,=06 87.5, ' .+< -,6*<,+8,2 .6 4, ' .6 7,' 87.5, 6 .+< 7/$6,6 /0 / 7,-' *66,+ ,-6 ' 7/$?7 6/ 6 -/+?7 .' 5/5$.-' <,1/+6 -. */+' *+' 0.#/$-' /0 (7$-87 .+< ' . ,' 8/$ < 68.-8, =' 0.*' /' 3,' 7*?7 =' ?-. *0=*+?7 /' 7,' *+?2 4,' +,#,-7, ,66 0*+< 7*1 ' *+6*6 *+?7 /+' ,@$. ' .+< 6 -*8 ' B$6 *8,' 3,*+?7 <,. ' /$2 / . =' *--, . *#,' /0 . ' 5/ * *8. ' 8/+6*<,-. */+6

' : ' ' ' @ ' E ' E 9 03 Q

C E. ' -f' ' ' ' ;"1 ' 5.6 ' ' ' A

C),' #,1/"12 (./,.# 0(.' -).,' -.((+# (0 -),' L-)' .,2" ;,1-' (0 .*2((1# -(;*.:)' -(=*./# ". ;"12)* ;' -(.,#-(.,' (./,.' "0 -),' :"<"% ;*2"#-.*-,#)*<,' 1(-' 6,,1' *6%,' "# "1:8;6,1-' (1 (<,.1;,1-')(82)' ' :*11(-' 68-' 0,,% 6,--,.' +%,*#,/' -)*-' ."#,-%,7"# -),' #800,.,.' 0(.' -),' /(:-."1,#),' *1/')"# +*.-7)*<,' "1#-"%%,/' *1/' -%"*-' -),' +,(+%,' #,' -),;' "1' -),".' -.00,' %"2)-' 7,-' ' :*11(-' *++.(<,' -),".')*<"12 ,;+%(7,/' #8:)' *-.(:"(8# ;,*1# (0#)(="12 -%.,".' /"#:(1-,1-D`

+' /-<,-' /' -,+<,-' 7,' +,N' +/ ,' 0-/1' 7,' *+?7 *+ ,G *?*3 ,2 *' *6 +,8,66.-=' /' /36,-#,' 7.2 /0 7,' 5,-6/+6 47/' 4,-,' 8/+#*8 ,< 0/-' 7,*-' 67.-,' *+' 7,' *-1*+?7.1 ' -*/ 62 7-,,' 4,-,' 7.+?,<2 .+< 7.' @ 0/$-72 F* *.1' .+<62 #,-=' +.--/4 =' ,68.5,< 67.-*+?7,' 6.1,' 0. ,Y /+,' ,-#,=' 7.#*+?7 5/6* *#, =' 64/-+' .' 7,' -*.' 7.' 7,' 6.4' 7**+' 5$ *+?7 $5' 7,' 0 //-' /0 /+,' /0 7,' <,1/ *67,< 7/$6,6' 0 ,-' .+<6C 8/+#*8 */+2 7/4,#,-2 * ' 4.6 1.<,' 1.+*0,6 2 . 1/6' /' .' 8,- .*+ =2 7.' 7*6 -,.' /3B,8' 4.6 /' ,N -*8. ,' 0-/1' 6$00/8. */+' 6/1,' <-$+M,+' 1,+' 47/' 4,-,' *+' .' 8, .-' 3,G +,. 72 .+< .88/-<*+? =' 7,' 0.8' 4.6 3-/$?7 ' 3=' '*-' /3,-

K' .' 81/*# =*# *-' -)"# -"; (' ,:.,-*.7 (0 -*-,' 0(.' -),' (;,' ,+*.-;,1- ' Q$.- ,-=' ,#*,42 #/ ' NN*N ' 5 ' W9:

.4 ,=2 .‘ 1 , 13,-‘ 0/-‘ 7,‘ 8/$+ =2 $+<,-‘ 7,‘ +/ *8,‘ /0‘ 7, ' ,8-, .-=‘ /0‘ ' . ,2 .+< .0 ,-4 .-<6‘ /0‘ 7,‘ *+?2

%@ : ‘ ‘ ‘ + ‘E ‘E 9‘03

??@ - A 0 +<‘97 , /9: 9

C),‘ "10(. ; *-"(1# (1‘ (*-)‘ (0‘ E"%%"* ;‘ *1/#)*<"12‘6.(@,1‘ 8+‘-),‘ 0%((.‘ (0‘ .‘ 7%*1/3#)(8#,‘ ="-)‘ *‘ <",=‘-(‘ +.,<,1-‘ #(; ,‘ /.81@,1‘ ; ,1‘ 0.(;‘ 6,"12‘#8"0(:*-,/‘ "1‘-),‘ :,%%*.‘ #,, ;# #(‘ :%,*.‘ -)*-‘ B:*11(-B68-‘ :("1:"/,‘ ="-)‘ -),‘ (+"1"(1B(0‘-),‘ +.(+.",-7 (09 ,>-,1/"12‘-)*-‘ ; ,.:7‘-(‘)" ;‘ =)":)‘),‘ 81/(86-,/%7 =(8%/‘)*<,‘ .,:,"<,/‘ *-‘)"# -."*%‘)*/‘ ,.<,73# ,<"/,1:,‘ 6,,1‘ 2"<,1‘ (1‘-),‘ +("1-# 1(=‘ #(‘ +.(+,.%7 #-*-,/‘K -‘ "# "1:(1:,"<*6%,‘)(=‘ *17 (1,‘ +(##,##,/‘ (0‘#(‘ 0*<(8"9*6%,‘ *‘ :".:8 ;#-*1:,‘ #)(8%/‘ 1(-‘)*<,‘ <(%81G -*."%7 +.(/8:,/‘ "-‘ ,<,1‘-)(82)‘ 1(-‘ :*%%,/‘ 8+(1‘ 67 -),‘ 8/2,‘ *-‘ -),‘ -" ; ,‘ ‘-.8#-‘ 1(‘ -" ; ,‘ J<"%%‘ 6,‘ %(#-‘ "1‘ -.*1# ;"--"12‘-(‘ ".‘ (6,.-‘ *=%,7‘ *‘ /,:"#"(1‘ =)":)‘ ; 8#-‘ 2"<,‘)" ;‘ #8:)‘ .,*#(1*6%,‘ +%,*#8.,

‘ e C‘ ‘ D‘I

=‘ 7*6‘ *1,2 7,‘ *+?06‘ 0,,*+?6‘ /4.-<6‘ 7*6‘ /< ,+,1*,62 7,‘ .-*6 /8-. *8‘ F7*?62 7.< $+<,-?/+,‘ .‘ 1. ,G -*.‘ 87.+?,Y.‘ 87.+?,‘ 5.- =‘ /4*+?‘ /‘ 7,‘ 8/11/+‘ <.+?,-‘ /‘ 47*87‘ 7,=‘ 4,-,‘ ,N5/6,< 0-/1‘ 7,‘ .<#.+8,‘ /0‘-,#/ $*/+.-=‘ 5-*+8*5 ,62 .+< 5.-*=‘ 7.‘ 7,‘ *+?06‘ <-,.<0$‘ 1. .<=2*+‘9:;;0 2 7.< 7.< 7,‘ ,00,8‘ /0‘?-,. =‘ 6/0 ,+*+?‘ 7*6‘ 5/**8.‘ 5-,B$<*8,6‘ .+< . .=*+?‘ / < .+*1/G 6**,6‘ +‘ 7,‘ 9 7‘ /0‘ ,8,13,-2 9: 92 /-< $8MG .+< 4-* ,6‘ /‘ &-‘ &/- /+‘ <,+0Y‘ ‘ *6‘ *1B*/66*3 ,‘ /‘ <,68-*3,‘ /‘ =/$R7/4‘5,-0,8 =‘4, ‘ 7,‘ *+?‘ *6‘ ,‘ *6‘ @$* ,‘ .+‘ . ,-,< 1.+2 .+< +/‘47.‘=/$‘M+,4‘7*1‘ ,#,+‘ 3,0/-,‘7*6‘* +,66‘ *6‘1.++,-‘*6‘?,+ ,2 @$*,2 .+<2 47,+‘ 7,‘*6‘5 ,.6,<2 @$* ,‘8/-<*. ‘ ,‘65,.M62 ,#,+‘0/0 7/6,‘47/‘ .-,‘ /55/6,< /‘ 7*6‘ ?/#,-+1,+2 4*7‘ 8/15 .8,+8=2 .+< 4*7/$‘6+,,-‘ /-‘ .8-*1/+=‘ ‘ 7,‘6.1,‘ *1,‘7,‘*6‘1/6‘ 6 ,.<*=. .87,< /‘7*6‘ &*+*6 ,-6‘ 6‘ /+?‘.6 7,‘-,1.*+6 6/‘ 4, 2 7,‘ -.+@$* *=‘ /0‘ 7*6‘ 8/$+ -=‘ *6‘ /+‘ .‘ -/8M2

I‘ H8*.-,.%7 ,<",=‘<(%‘ >>">‘+‘L ‘),‘ (."2"1*%# (0‘-)"# *1/‘-),‘ +.,:,/"12‘ %,--,.‘=,.‘:(""56"88":*-,/‘67‘-),‘ #,:(1/‘$"#:(81-‘ ,%<"%%,‘-(‘-),‘%*-,‘ "2""-‘ (1‘ ‘E‘ .(@,.

0/-' 7,' 5$3 *,' 5-/65,-* =' *6' ?-,. ' .+<' 7,' +. */+' *6' -*?7 0'
1*+<,<2' .+<' 7,' 8/1 1,-8,' .+<' -,6/$-8,6' .-,' *+8-,.6*+?2L'
+' 7,' 6.1,' <,?-,,' 7.' 7,' .-*6 /8-. *8' 6,8 */+' /0' 7,'
F 7*?' 5.- =' ?-,4' 1/-,' .-*<' 1/-,' 8/+6,-#. *#,' *+' 7,*-'
.+?$.?,' .+<' /5*+*/+62' 7,=' +/' /+ =' *+8-,.6,<' *+' 0.#/$-'
4* 7' 7,' *+?2' 7$ 2' *+' <$,' *1,2' *' 3,8.1,' ,#*<,+' 7.' 7,'
4/$ <' 1.M,' +/' ?-,.' /3B,8 */+' /' .<1*' 7,1' /' .' -,.6/+G
.3,' 67.-,' /0' 5/4,-' /-'*+6 .+8,2' *+' A$+,2' 9: 2' 4,'0*+<
&-' *' .66$-*+?' /-<' /$?73/-/$?70' 7.' *6' &.B,6 ='
4/$ <' +/' /+ =' 8/+6,+' /2' 7$' 4/$ <' 3,' 5 ,.6,<' 4* 72' .'
8/.* */+' I .'0,4' <.=6' .0 ,-4.-<62' *+' .+' *+ ,-#*,4' 4* 7' /-<'
$,20' 7,' *+?' 65/M,' /0' 7,' $M,' /0' /- .+<' *+' 7,'
7*?7,6' ,-16' /0',6 ,,1' .+<' -,?.-<' I .+<' .?.*+2' /+' 7,' _7'
/0' A$ =2' 7*6' -,8,5 */+' /0' 7,' 55/6* */+' .' 7*6' ,#,,' *6' <,G
68-*3,<' .6' 7.#*+?' 3,,+' 1/6' ?-.8*/$6 L' ,' 4.6' ,#,+'
7,.-<' /' 6.=' .' 7,' ,#,,' 7.' 7,' 7.<' +/' 5,-6/+.' /3B,8 */+'
/' &-' /N A
/' 7,' ,.<,-6' /0' 7,' F 7*?' 5.- =2' 7,' 5-/B,8' 0/-' .' 8/.*G
/+' 4.6' +/' ,66' 5 ,.6+?' 7.+' *' 4.6' /' 7,' *+?' ' /+?'
w ,0p0 , ,' 8/+#,-6.*/+' 4* 7' 7,' $M,' /0' /- .+<' Y 4-* ,6'
/-<' &. 1,63$-= /+' 7,' 7' /0' A$+,' ' ,' .?-,,<' 7.'
7,' 8*-8$16 .+8,6' /0' 7,' *1,6' 1.<,' p' 8/. **/+' 4* 7' * '
.' #,-=' +,8,66.-=' + ,.6$-, L' 88/-<*+? =2' 4* 7*+' 7,' +,N'
7-,,' <.=62' 7,' 5-/B,8' 4.6' 8/1 1$+*8. ,<' 3=' 7,' $M,' /0'
/- .+<' /' /N2' 47/2' 7/$?7' 7,' 6,,16' /' 7.#,' 3,,+' 6/1,G
47.' 07$-' .' 7,' 0*-6' .<#.+8,6' +/' 7.#*+?' 3,,+' 1.<,'
<*-,8 =' /' 7*16,02' +,#,-7,,66' .<1* ,<' 7/4' <,6*-.3,' *'
4.6' 7.' .+' $+*/+' /0' 5.-*,6' 67/$ <' 3,' ,00,8 ,<' [' ,' -,G
@$*-,<' +/' 1/-,2' 7,' 6.*<2' 7.+' 7.' 7,' 1,.6$-,' 67/$ <' 3,.-

I' 8:@%*1/' (..,#+(1/,1:,' <(%' "" ' +' ! ' I
-' ()1' 0(8.-)' *.%' *1/' 0".#-' *.A8"# (0' 8-,' =*#)(.1' "1' 8%7' UU' *1/' /",/'
-)' (<,;6,.' U
-' (./' *%;,#68.73#' "*.",#' <(%' "" ' ++' U ' U! ' U!L' 1/',/"-"(1' *.%' -*1G
)(+,3#' "0,' (0' "--' <(%' "" ' +'
Z' ::(./"12' -(' (./' (%%*1/' 5; / ' ' ' ' 9' <(%' "' +' ! ' 1(-,N' *'
#,:.,-' ;,,-"12' -((@' +%*:,' *6(8-' -)"# -" ;,' 6,-=,,1' "--' *1/' (>' 68-' 1(' +*.-":8%*.#
S.,%*-"12' -(' "-')*<,' 6,,1')*1/,/' /(=1' -(' >"(#-,."-7

' .55,.-.$8,' /0' 7,' F7*? 6 7.#*+?' ' /' &-' * 06 *+*+ 6 *=2' .+<' 7.'3/ 7'5.-*,6'67/$ <'67.-,2' /+',@$.' ,-162' 7,'5/4,-' .+<'5. -/+.?,' /0' /00*8,' 7,'5/6'47*87' /N06 0-*,+<p'4?$ <'7.#,'5-,0,--,<'0/-'7*1'4.6' 7,' ',8-, .-=67*B/' 0/-' /-,*?+' 00.*-62' 3$' /' 7*6' .--.+?,1,+' /3B,8*/+6' 4,-,' -.*6,<' *+' 7,'D-/=.'8/6,' 7/$?7' 7,' *+?2' .6' /-<' /$?73/-/$?7' 4.6' .$7/-*6,<' /' ,' 7,' 55/6**/+2' 7.<' ,+*-,=' 0/-?/ ,+' $ ' ' =,' &-' /N06 -,8,+' .+?$.?,' .+<'8/+<$8'*+' .-*.1,+'<,5-*#`<'7*1' /0' 7,'5/4,-' /0' /00,-*+?'7*1' 7,' .55/*+ 1,+' * '.0 ,-' 7,' .56,' /0'.'0,4'1/+ 76E

F7, 7,-' /N' 4.6' /00,+<,<' .' 7*6' 1.-M,<',N8 $6*/+' 0-/1' 5/4,-2' /-' 47, 7,-' 7,' 4.6' /#,-05,-6$.<,<'P3=' 7*6' 5/**8.' 0-*,+<62' 8,-.*+' *' *6' 7.' 7,' +/' /+ ='6$<<,+ ='3,?.+' /'-.*6,' /36.8 ,6' .?.*+6' 7,'5-/5/6,<'8/.**/+2' 3$' 7.' 7,' ?-,.' *+0 $,+8,' 47*87' 7,' 5/66,66,<' /#,-' 7,' $M,' /0' /- .+<' 4.6' ,15 /=,<' /' *+<$8,' 7*6' -.8,' /' .</5' 7,' #*,46' /0' 7,' $ -.' F7*?6' 88/-<*+?' /' /-< &.1,63$-=2' 47/' 1,' /N' .' <*++,-' .' /-<' /$?7G 3/-/$?706' /+' 7,' (7' /0' A$+,Y ,' J /NV' 8/+,+<,< 7.' *' 4.6' *15/66*3,' ' /' 6$55/6,' 7.' * ' 4/$ <' .<1*'7*1' /'.+',@$.'67.-,' /0' 5/4,-2' .+<' 7.2' 47.,#,-' 1*?7' 3,' 7*6' /4+' 0,,*+?6' /-' -,.<*+`66' /' ?*#,' 4.=2' 7,' 8/$ <'+/2' 0/-' 7,'6.M,' /0' 7,' 7/+/$-' '7 ' /0' 7,'5.-=2' 8/1,'*+'/+'.+='/7,-' ,-16' * ' '7.#,' 7,' -,.6$-=2' .+<'7,2' /+'7*6'5.-2'7.<'0-*,+<6'*+' 7,' /$6,' /0' (/1*1/+6'7,' '. ,+<' /' 7,6,'0-*,+<6'8/+8,*#,<' /'3,' '7,-*<.+20' -,=2' -6M*$,2' .+<' /-<' /3,-' '5,+8,-' 0,-'6.1?' *,6,'</$3 6'.+<' <*00*8$ *,62' .+<' <4, *+?' /+' 7,1'4*7'.

I' (./' *%;,#68.7B#' "*b,#'<("'"'++'U 'U L'U 'U! ' 1/',/"-"(1 S-' C' (>D' =."-,#-),' .:%"6"#)(+'(0' *1-,.68.7' (1'-),' 8/'(0' *7'C'"#'#8++(#,/' -('2"<,')";#,%0'8+',1-".,%7'-('),."/*1D4 8:@%*1/' (..,#+(1/,1:,'<("'"'+'U ' C (./' "-V="%%"*; D'=."-,# (./' *%;,#68.7(1'-),' -)'(0' 81,'C,>+.,##,/')"# /"#%"@,'-('),."/*1'?#*"/'),' ;"2)-')*<,'*'%8:.*-"<,'+%*:,'68-'1,<,.':(8%/'6,'*/;"--,/' -('(1,'(0'-.8#-'*1/':(10"/,1:, * ' ;5 / 3 9)'0 '<("'"'+'U! ')8#),."/*1'=*# 1(-'81%"@,%7'-(' /(')"# 8-;(#-'-('+.,<*"% 8+(1' (>'-('/,:%"1,'-*@"12'*' #,*-'"1'* *6"1,'"0.(;'="":)'"-'"#',<"/,1-')*-'),")";#,%0'=*# -('6,',>:%8/,/

.*<,-6 * ' /0 6$8 * *15/- .+8,' /' *,' 8/$+ -=2 7. ' 7,' 67/$ <
7,' 6/--=' /' /1*' .I+=' 1,.+6 /0 8.--=*+?' * ' *+ /' ,N,8$ */+
' 7,' 8/+<* */+62 7/4,#,-2 !A=' 47*87' ./+,' 7,' $M,' .+<
" ,;' 8/$ < 7,' 7-/$?7 ' /' +,?/ *. ,' 4,-,' 6/' ,N/-3* .+ 2 7. '
+,* 7,-' 7,' *+?' +/-' 7,' 5$3 *8' 4,-,' *M, =' /' *6 ,+' /'
7,1' 4* 7' 5. *,+8,' ' /N2L' 4-* ,6' /-< &. 1,63$-=' /+'
7,' ' B* /0 A$ =2 ' 1.<,' * 06 @$* *+?' 7,' -,.6$-=' . '
' G' /.+< 4.6' 6/' /5*+*/+. *#,' .+< 0*N,< .3/$ ' * 2 7. '
* ' 4.6' *15/66*3 ,' ,#,+' /'-,.6/+' 4* 7' 7*1' /+' 7,' 6$3B,8 L' 0'
' 1.=' 3,' 1,+ */+,< 7. 2 /0 7,' ,.<,-6 /0 7,' F 7*?'
5.- =2 .-' * >4* 7.+-' .?-,,<' 4* 7' /N' .+< 7,' $M,' /0
/- .+< 7. ' * 06 -,1/#. ' 0-/1' 7,' 7,.< /0 7,' -,.6$-='
4.6' .36/ $,=' -,@$*6* ,2 47* ,2 /+' 7,' / 7,-' 7.+<' /-<6'
/$?73/-/$?7' .+< &. 1,63$-=' 8/+6*<,-,<2 * ' +/ ' /+ ='
.+' $++,8,66.-=' 3$ ' .+' $+-,.6/+.3 ,' 5-/5/6* */+' * 2
4-* ,6' ' /-,-' /' /-< $8M .+<2 ' 3,' 0*-6 2 .+< /N'
' 3,' 6,8/+< A' F 7,+2 /+' 7,' +< /0 A$+,2 /-<
&. 1,63$-=' 6. ' </4+' /' 3-,.M0.6 ' 4< 7' <1$+< $-M,2
7,' 0/$+< 7*1' 7*?7 ='*+8,+6,< .?.*+6 ' /N' .+< 7*6 /36 -$8G
*#,' 5/ *8=' 7,-,' 4.6' +/' </*+?' ' /N2 7,' /36,-#,<2
.+< +/ 7*+?' 8/$ < 7,' </+,' ' 7*1 ' ' ' &-' /N06 8/.872L'
7,' 6.*<2 ' 6 /55,< 7,' 4.= L' [
$ ' 7/$?7' 7,6,' -,1.-M.3 ,' +,?/ *. */+6' 4,-,' 7$6'
3-/M,+' /002 ,#,+ 6' 6$36,@$,+ =' /88$--,< 47*87' ,<2 3,0/-,'
' 7,' 8 /6,' /0 7,' =,.-2 /' 7,*-' -,+,4. ' 7,' *1,62 8-* *8. '
.6' 7,=' 7.< 3,,+' *+' A$+,2 7.< 3,8/1,' 0.-' 1/-,' 6/' *+'
,8,13,-' /$*6' 7,' '*N ,,+ 7' 4.6' /+' 7,' ,#,' /0 7*6'
-*. ' .+< ,N,8$ */+' ' 4.-' 4* 7' -.+8,' 4.62 *+' 7,'
/5*+*/+' /0 1.+=' 5,-6/+62 *+,#* .3 ,' ',<* */+' .6/' 4.6'
-*0,' . ' 7/1,2 .+< 8/+6,@$,+ =2 *+' 7,' B$<?1,+' /0 7,'
?-,. ' 1.66' /0 -,0 ,8 *+?' 5,/5 ,2 7,' ' . ,' 7.< +,#,-' 6 //<
+' ?-,. ,-R+,,< /0 b' 7.55=' $+/+' /0 5/ * *8. ' 5.- *,6'
.* $-,2 .6' 4.6' 4, ' M+/4+2 4.6' 8,- .*+' /' 3,' 7,' -,6$

I' (./' *%;,#68.73# "*.",#'<(%'""'++'U! 'U! ' 1/',/"-"(1
-' 6"/'++'U!F'U! 'UU ' ' 8:@%*1/' (..,#+(1/,1:,'<(%' +'U
Z (./' '31":#68.7# "*.",#'<(%'""'+'U!!

/0 .+= 0**- *,- . ,15 . +,?/ *. */+ 4* 7 /NE .+8 .8G
8/-<*+? = 7, +,N 6 ,5 /0 7, 8/+6,-#. *#, F 7B?6 4.60
/ ,+<,p"/$- / <, .87 7, X$M , /0 /- .+< 0-/1 7,
*+0 $,+8, /0 7*6 *15-.8 *8.3 , 0-*,+< #,- .+<2 /=,-
.?.*+ 7,= 5/*+ ,< /$ / 7*6 -.8,0 7, 5,-* /$6 , *0
<,+8= /0 /NG6 .<#/8.8= /0 *0,+87 5-*+8*5 ,62 7, -$*+
4* 7 47*87 * 7-,. ,+,< 7, 8/$+ -=2 .+< 7, E*68-5<*
47*87 7,*-8/+ *+$,< 5/ **8. 8/++,N*/+ 4* 7 /N-,0 ,8 ,<
$5/+ 7,16, #,62 3/ 7 *+<*#*<$. = .+< .6 . 5.- = .=
.0 ,- <.=2 7,= *15 /-,< 7, #.8* . *+?$M, / .8 .
1.+ = .+< -,6/ $, 5.- 3= /5,+ = .#/4*+?2 *+ 7*6 B* <8,
*+ .- *.1,+2 7*6 . .871,+ / 7/6, 8/+6,-#. *#, 5-*+G
8*5 ,6 47*87 7,= 4,*C, . .4.-, 7, ,+ ,- .*+,< *+ 5-*G
#. , 7, /+= 4/-< 4, 8/$ < <-.42 0/- 72L 4-* ,6
/-< &. 1,63$-=2 6B*, .M*+? /0 /+, /0 7,6, /88.6*/+62
4.6 7. 7, 4.6 .?.*+6 .+= 7*+? 7. 8/$ < 4*<,+ 7,
3-,.872 .+< 5$ * /$ /0 /NG6 5/4,- / -, $-+I .+<
<-*#, 7*1 *+ / <,65,-. , /55/6** /+ 2 . 7/$?7 7.#,
/0 ,+ 6,,+ 7*1 3,+$13,< .+< 5.-. =6,<2 +,#,- 6.4 7*12
/- .+= /+, , 6,2 6/ 8/15 , , = 6/ 3,0/-, 4.6 /+, <,.<
6* ,+8, /+ 7*6 5.- , 6,,1,< *+ . -.+8,2 .+< +/ 7*+?
8/$ < 3, 6/ 5.*+0$ .6 7,6, 4/ 7/$-6 L 7, $M,
.<1* ,<2 *+<,,<YE+/ /+ 7*62 3$ /+ .+/ 7,- /88.6*/+Y
7. 7, *+ ,-,6 6 /0 7, 8/$+ -=2 .6 4, 0.6 /0 7*6 5.- =2
<,1.+<,< 0-/1 7*1 .5$3 *8 *+ *1. */+ /0 7*6 7.#*+?
6,5.-. ,<7*16, 0 0-/1 /N .+< 7, $ -. F 7*?6 I 3$ 6/
?-,. 2 7, 6.*<2 4.6 7*6 5-*#. , .00,8 */+ .+< . . 71,+
/ &- /NLY6$87 7*6 5-,<* ,8 */+ .+< ,+<,-+,66 L 0/-
7*1Y 7. 2 4,.M .6 7, M+,4 * / 3,2 7, 67-.+M 4* 7 7,R
1/6 5/*?+.+ -, $8 .+8, 0-/1 6,#,-*+?* *,6 47*87 7.< 6/
/+?3/$+< 7,1 / /+, .+/ 7,-20 ,#,-7, ,662 <.= .0 ,-
<.=2 7, $M,G6 0-*,+<6 8/+ *+$,< / *15/- $+, 7*1 4* 7
7,*- .-?$1,+6 .+< -,1/+6 -.+8,6 6 7*6 M,,5*+? . //02
7,= 6.*<2 0-/1 7, 1/<,-. , F 7*?62 7, 4/$ < 3,8/1,

‘5.- .M,-‘/0‘ /N06‘3.<‘-,5$. */+‘.+<‘$+5/5$.-* = L‘ ,‘ 4.6‘ 7,*-‘ ,.<,-2‘ 7,=‘ / <‘7*12‘.+<‘ 7,=‘4*67,<‘ /‘-, .*+‘ 7*1‘.6‘ 7,*-‘ ,.<,-‘I 3$‘$+ ,66‘7,‘6 //<‘3/ <=‘0/-4.-<‘.6‘ 7,*-‘-,8/?+*6,<‘87*,02‘7,‘ ‘1*?7‘,N5,8‘6//+‘ /‘7,.-‘1/-,‘ /+‘ 7,‘6$3B,8 L‘ : ‘0/-‘ /N2‘ 7,=‘6.*<‘7.‘7/$?7‘ 7,=2‘ //2‘5,-6/+. =‘ /#,<2‘7*1‘.+<‘ -,#,-,+8,<‘7*6‘ . ,+ 62‘=, ‘ 7,=‘4/$<‘+/‘ /+?,-‘ ,+<$-,‘7*6‘3,*+?‘ -,?.-<,<‘3=‘ 7,‘ 4/-<‘.6‘7,*-‘ ,.<,-2‘7$6‘ /‘. ‘.55,.-.+8,‘8/$+ ,+.+8*+?‘ .+<‘*<,+ *0=*+?‘ 7,16, #,6‘4* 7‘7*6‘5-*+8*5 ,6

‘ ,+?07‘2 7,‘ $M,‘ +/‘ /+ =‘67/4,<‘7*16, 0‘*+8 *+,<‘ /‘*6 ,+‘ /‘-,.6/+2‘3$‘.‘5-/1*6,‘4.6‘4-$+?‘0-/1‘7*1‘7.‘2‘ .‘ 7,‘0*-6‘/55/- $+* =‘ 47*87‘ 1*?7‘ /88$-‘*+‘ 7,‘ /$6,‘ /0‘ /-<62‘7,‘4/$<‘6*?+*0=‘7*6‘.55-/#.‘/0‘7,‘5/ *8=‘5$-G 6$,<‘3=‘7,‘ /#,-+1,+2‘.+<2‘0$- 7,-2‘7.‘2‘7*6‘6/+‘ /-< *870*, <‘67/$<‘0/ /4‘7*6‘ ,N.15 ,‘*+‘7,‘ /$6,‘/0‘ (/11/+6‘ '$87‘.+‘/55/- $+* =‘/88$--,<‘/+ =‘4/‘<.=6‘ .0 ,-4.-<62‘<$-*+?‘7,‘5-/?-,66‘/0‘7,‘ *,+‘ * ‘7-/$?7‘ 7,‘H55,-‘ /$6,2‘3$‘2‘. 7/$?7‘ 7,‘ ,=,6‘/0‘7,‘ $M,06‘ 0-*,+<6‘ 4,-,‘0*N,< ,+8/$-.?*+? =‘ .+<‘ .+N*/$6 =‘ $5/+‘ ‘ 7*12‘ .+<‘ +/ 4* 76 .+<*+?‘ /-<‘ &. 1,63$-=2‘ 47/‘6.‘ 3=‘7*6‘6*<,2‘-,5,. ,<=‘$-?,<‘7*1‘ /‘-*6,2‘ 7/$?7‘* ‘4,-,‘ /+ =‘ /‘$,-‘.‘0,4‘4/-<62‘7,‘-,1.*+,<‘1/*/+ ,66‘.+< 65,,87 ,66‘.6‘.‘6.$,‘ /-<‘ /$?73/-/$?72C‘4-* ,6‘ /-<‘&. 1,63$-=2‘ ‘.+64,-,<‘*+‘/+,‘/0‘7,‘0*+,6‘65,,87,6‘ 5/66*3 ,2‘7$‘7,‘ $M,‘/0‘ /- .+<2‘/‘7,‘?-,.‘8/+8,-+‘ .+<‘?-*,0‘/0‘7*6‘0-*,+<62‘<*<‘+/‘6.=‘.‘4/-<L‘ 7.‘6.1,‘ <.=2‘ /-<‘&. 1,63$-=‘7.55,+,<‘ /‘<*+,‘ H 8I8H‘4*7‘ 7,‘ $M,‘ ‘ ‘7.<‘+/‘7,‘7,.-‘ /-‘8/$-.?,2L‘7,‘4-* ,62 ‘ /‘. M‘ /‘7*1‘/+‘7,‘6$3B,8‘ ‘5,-8,*#,<‘7/4‘?-,. =‘ 7,‘0, ‘,13.--.66,<2‘.+<‘8/$<‘+/‘3-*+?‘1=6,‘0‘/‘<*6 -,66‘ 7*1‘1/-,‘3=‘ , *+?‘7*1‘7/4‘$+0.*- =‘7,‘7.<‘<*6.55/*+ ,<‘ 7*6‘0-*,+<62‘.+<‘7/4‘1$87‘7,‘7.<‘8/11* ,<‘1,‘3=‘.$7/G -*6*+?‘1,‘ /‘6.=‘7,‘8,- .*+ =‘4/$<‘65,.M‘ ,‘4.6‘6/‘ #,-=‘$+8/10/- .3 ,‘ 7.‘ *‘4/$<‘7.#,‘3,,+‘8-$,‘ /‘ 7.#,‘5 .?*,<‘7*12‘.+<‘. 7/$?7‘7,‘6.42‘3=‘1=‘6* ,+8,

.+< 1.++,-2 7/4 1$87 7$- .+< .00*8 ,< 4.6 . 7*6 7.#*+? </+, +/ 7*+?2 =, 6.#,< 7*1 7, 7$1**. */+ /0 1.M*+? 7*1 8/+0,66 7*6 /4+ 4,. .*,66 /N 8.1, *+ .3/$ 7. 005.6 ,+ 7, $M M,5 7*1 4.** +? .6 /+? .6 6 .=,< L

+ 8/+6,@$,+8, /0 *+6 5-/ /+?,< .+< .1,+ .3 , #.8* G . */+ /+ 7, 5.- /0 7, $M, /0 /- .+<2 7*6 0-*,+<6 Y 7/BX, ,662 .55.-,+ =2 /0 3,*+? .3 , / .8 4* 7 7*1 Y-,G 6/ #,< /.8 4* 7/$ 7*1 / /-< $8M .+< /-< '7,00*, < 4-* ,6 /+ 7, W 7 /0 ,3-$.-=2 9: Y 7.< +/ 7*+? 5.-G *8$.- /6.=2 +,* 7,-7.#, +/42 ,N8,5 7. 55/6**/+2 .6 . , =8. ,<2 6,,16 6$65,+<,< *+ .8/1*8. 6 . ,2 7, $M, /0 /- .+< .<7,-*+? / (7.- ,6 /N2 .+< . 7, 5.- =2 ,N8,5 .#,-=6, ,8 0,42 /55/6*+? 7, 6.*< (7.- ,6 L0 $ 0$- 7,- *1, 4.6 +/4 /6 *+ 1.M*+? ,-16 4* 7 &- * 0 7, ,.<*+? F7*?62 /+, /0 7, 0*-6 / .3.+</+ 7, 6 .+<.-< /0 /N 4.6 7, -*+8, /0 F. ,62 47/ +/ /+ =6,+ .4-* ,+ *+ *1. */+ / 7, $M, /0 /- .+< /07*6 *+ ,+ */+ /B/*+ /#,-+1,+ 2L A 3$ 2 *+ 7*6 5 .8, *+ 7, /$6, /0 /-<62 <,8 .-,< 7*6 6,8,66*/+ 0-/1 7, 5-*+8*5 ,6 /0 47*87 7*6 <,.- (7.- ,6L 4.6 7, $+8/15-/1*6*+? .<#/8. , * .+< 7*6 +,4 0-*,+<6 4,-, +/ /+? *1, *+ 8/1*+? / .+ $+<,-6 .+<*+? 7, -,. ', .2 47*87 7.< 3,,+ *+ 8/11*66*/+ 6*+8, 7, <*61*66. /0 7$- /42 4.6 8/+0,-*I,<$5/+ /-< /$?73/-/$?7 + 7, 0/ /4*+? =,.-2 .- * >4* *.1 4.6 .55/*+ ,< -,6*<,+ /0 7, (/$+8* I .- '5,+8,-3,8.1, /-< -*#= ', . I /-< /-87,6 ,-2 47/ 7.< 0/-1,- = <,8 *+,< B/*+*+? 7, '/8*, = /0 7, -*,+<6 /0 7, ,/5 ,L ,

44 7 , 4 /2 4.6 8-,. ,< .- /0 (.-0

[(./ 1%;,#68.73# "*.",#'<(%'""'+'UL
-' 8:@%*1/ (..,#+(1/,1:,'<(%'""'+'U L' 8:@"12)*;' *+,.#'<(%'""'+' !
Z (./ (%%*1/3# , ; ("# (0-),'B$F2' *.-7'<(%'"'+' U' C 1'*'0,=';(1-)#D
=."-,# (./ (%%*1/' P%",' +86%":%7' *..*"21,/' "- 1# #,/"-"(8#' *1/' (6-*"1,/' -),'
*.%/(;' (0 *.1*.<(17 (1'=)":)' .' (>' +%,*#*1-%7'(6#,.<,/'-)*-'),' =*# ."2)-'
"1'#*7"12-)*-',' ##(:"*-"(1'=*# 1(-'#('.,+86%":*1'*#),' ="#),/'*#'"0"-')(/'6,,1'
),' =(8%/'+.(6*6%7')*<,'2(-'* *<A8"#1-,D

+.-#/+f 4 $,' /' $-M,2 . ' 7,' ,N5-,66 6$??,6 */+2 * ' *6 6.*<2 /0 7,' *+?2 4.6 .4.-<,< .' 5,+6*/+' /0 9 j' .' =,.-' /$' /0 7,' (*#*' *6 2 .+< .0 ,-4.-<6 .' 0$- 7,-' . /4.+8,' /0 W]' .' =,.-' 0-/1' 7,' /$-0.+<0.07. 0 5,-' (,+ ' $+< ' ,* 7,-' <*< .+=' ?-,. ' ,+? 7 /0 *1,' , .56,' 3,0/-,' 7,' $M,' /0 /- .+< -,8/#,-,< 0-/1' 7*6 *--,6/ $*/+' *6 0-.8,2 47/2 47,+' /-< /$?73/-/$?7 .88,5 ,< 7,' 0-,.' ',.2 7.< 3,,+' 7,'0*-6' /' 7/ <7*1'$5 /' -,5-/3. */+2'+/4' 6$31* ,<Y /'$6,' /-< / .+<06 4/-<6Y ' /'7$1**. */+6 *+0*+* , =' 1/-,' <*6?-.8,0$ L'0' 3=' .88,5 *+?' 0-/1' 7,'7.+<6 /0 7*6 -*#.' * ' 7,' 5/6' /0 ',8-, .-=' /0 ' . ,' 0/-' 7,' /1,' ,5.- 1,+' .+<' 7,' -<,-' /0 7,' .- ,-' ' -,' =/$' +/' .0-.*<' /0 3,*+?' /$#/ ,< *+' =/$-' /4+' (.3*+,'SL' *+@$*-,< '5,.M,-' <<*+? /+' /0 &-' * ' ' /2L' 4.6 7,' .+64,-f ' ' .1' $+<,-' +/' .+N*, =' /+' 7.' .88/$+ ' ' 5 .8,' 1$87 <,5,+<,+8,' /+' 1=' +,4' 8/ ,.?$,62 .+<' 5 .8,'6 * ' 1/-,' <,5,+<,+8,' /+' 1=6, 0L'A

7$62 *+' 8/+6,@$,+8,' /0 7,' <,0,8 */+' /0 7,' .-*6 /8-. *8 6,8 */+' /0 7,' F7*?' 5.- =2 4,-,' /N .+<' .' 0,4' 0.-06*?7 ,< .+<' 5. -*/ *8 1,+' ,0 2 $+6$55/- ,<3=' 4,. 7 .+<' 5/4,-2 /' 0*?7' 3=' 7,16, #,6 7,' ?-,.' 3. ,' /0 7,' (/+6 * $G */+' 7$62 /'$6,' 7,' 4/-<6 /0 .-' $66, Y '7*6 5.- =' 3-/M,+2 7*6 5/5$.-* =' ?/+,2 7*6 0-*,+<6 <,6,- *+?07*1 2 7*6 , /@$,+8,' $6, ,662 7*6 +.1,' 7, <' $5' /' <, ,6 . */+'LY 4.6 7*6 ?*0 ,< .+< /+8,' *</ *>,<6 . ,61?=* ,0' . 1/6' . /+,' /' 3,.-' '. /0' 7,'6 .+<.-< /0 F7*??*61' .1*< 7,' . .8M6 /0 7*6 ,+,1*,6 .+< 7,' <,6,- */+' /0 7*6 0/ /4,-6 L'['&- /N *6 ,0' . /+,2L' 4-* ,6 ' /-,-' /' /-< $8M .+<2 /+' 7,C 99 7 /0A.+$.-=2 9: E2 '/-'.' ,.6' 4* 7 .'5//-',5* /1,' /0 7*6 0/-1 ,-'0/ /4,-6' 55/6* */+2 *+' .' 4/-<2 *6 67*#,-,< /' 5*,8,6 L'B (7.- ,6 /N2L' /36,-#,< .' .<=' /0 ?-,.' 6.?.8* =2 '*6 .' #,-=' 8 ,#,-' .+< 7*?7 =0?*0 ,< 1.+2 3$' 7,

I' ."(.B# "0,'(0 8.@,'<(%'""'++' !!'!!U' 1/',/"-"(1' 0' (./' (%%*1/3# ,;(".#(0-),'E)"2 *.-7'<(%'"'++' !' U' ' ,*1' +5%%,=3# "0,'(0 (./' "/;(8-)'<(%'"'+' Z ,;(."*%# (0 (>'<(%'""""'+' U' p 8:@%*1/' (..,#+(1/,1:,'<(%'""'+' U

*.6 +,#,-' <*68/#,-,< *,' ?-,.' 6,8-,' 7.' A/7+' $ '*6.'
/-=' 3=' +. $-, L'
7.' 7,' ?-,E' F 7*?' 57. .+N' 67/$ < 3,' 3-/M,+' $5'
4* 7/$' ?*#*+?' -*6,' /' 3* , ' -,8-*1*+. */+6' .+<' 5.*+0$'
87.-?,6' .+<' 8/$+ ,-87.-?,6' .1/+?6' 0/-1,-' 5,-6/+.'
.6' 4, ' .6' 5/ **8.' 0-*,+<62' 4.6' 68.-8, =' /' 3,' ,N5,8 ,<'
+' 7,' /+,' 7.+<2' /N2' .+<' 7*6' 61.' 3.+<' /0' 5/ **8.'
0/ /4,-62' 87.-?,<' 7,'6,8,<*+?' F 7*?6' 4* 7' 3,*+?' -.* /-6'
/' 7,' ?-,.' 8.$6,2' .+<' /' 7,' ?-,.' 5.- =' 47*87' 7.<'
.<#/8. ,<' 73,-.' .+<' 8/+6 * $ */+.' 5-*+8*5 ,6' 6*+8,' 7,'
=,.-' 9K;;' '/' 0.-2' 7,=' *+6*6 ,<2' 0-/1' 7,*-' ,+ ,- .*+G
*+?' 7,' 6 *?7 ,6' *+ ,+ */+' /' 6$3#,-' 1/+.-87=' .+<'
-, *?*/+2' 7,*-' </8 -*+,6' 4,-,' *<,+ *8.' 4* 7' 7/6,' 47*872'
/+,' 7$+<-,<' =,.-6' 5-,#*/$6 =2' 7.<' 3,,+' .<#/8. ,<' 3='
/8M,' *+' <,0,+8,' /0' 7,' * ,' /0' F * *.1' /0' -.+?,' /' 7,'
7-/+,' *<*8$ *+?' 7,' +/ */+' 7.' ,* 7,-' 7,' (/$+ -='
/-' 7,' (/+6 * $ */+' 4,-,' *+' <.+?,-2' 7,=' 8/+ *+$,<' /'
*+6*6 2' +/' /+ =' 7.' 7,'5-,#.* *+?' . .-1' 7.<' 3,,+' .- G
0$ =' 0/1,+ ,<2' *0' +/' ?,+,-. ,<2' 3=' &*+*6 ,-6' .+<' 7,*-'
0-*,+<62' 3$' 7.' 7,' .-*6 /8-. *8' 6,8 */+' /0' 7,' F 7*?6'
7.<2' 3=' B/*+*+?' *+' 7.' . .-12' ,+.3 ,<' 7,' /#,-+1,+'
/' ,+.8' 7/6,' .-3* -.-=' 8/,-8*#,' -,6 -*8 */+6' /+' 7,' *3,- ='
/0' 7,' 6$3B,8 2' 47*872' 4* 7/$' F 7*?' 6$55/*C2' *' 4/$ <'
+,#,-' 7.#,' 3,,+' *+' 7,*-' 5/4,-' /' 8.--=' 7-/$?7' .- *.G
1,+' (,- .*+ =2' *0' 4,' 1.=' B$<?,' 0-/1' 7,' 5-*#. ,' 8/-G
-,65/+<,+8,' /0' 7,' 5,-*/<2' 7,-,' 4.6' +,* 7,-' .' 4.+' /0'
A/=. =' *+' +? .+<' .' 7*6' *1,2' +/-' 4.6' .<1*-. */+' /0'
-,+87' 5-*+8*5 ,6' 6/' <,,5 =' -// ,<2' /-' 6/' 4*<, =' 65-,.<2' .6'
7,' . .-1*6 6' 4/$ < 7.#,' 7.<' 7,' 4/- < 3, *,#,' ' 7,'
. ,' 7/--/-6' *+' -.+8,2L' 4-* ,6' &-' A' .+<' $-?,6' /' /-<
$8M .+<2' '7.#,'.' ' ,.6' 3,,+' . ,+<,<' 4* 7' /+,' ?//< 8/+0'
6,8J$,+8,2' 0/-' 7,=' 7.#,' $-+,<' 7,' *<,' /0' ?,+,-.' /5*+*/+6'
7,-,' #,-=' 6$<<,+ =' -,+87' 5-*+8*5 ,6' .+<' ,#,+' -,+87

1,+ .-,<.* =3,8/1*+? 1/-,$+5/5$.-L + *M, b+0 ?$.?, /08/+0*<,+8,2 7, -833*63/5 /0C(.+ ,-3$-=4-* ,62 /C /-< $8M .+<Y)/$4* 7.#, /36,-#,<2 6*+8, 1= .62 *+<*8. */+6 *+ .3$+<.+8,2 0*-1 .+< <,8*6*#,2 /0 7, *+8-,.6,< /=. = .+< >,. /0 7*6 8/$+ -= *+ 6$55/- /0 7, *+? .+< (/+6*$*/+ 5,-#.<,6 7, 8/$+ -= / 6$87 . <,?-,, 7. 47. ,#,- 7,-,*6 /0 . <*00,-,+ 6/- *+ 7, M*+?</1 *6 6* ,+ .+< 8/+8,. ,<2 .+<2 .1 5,-G 6$.<,<2 * *6 /0 .#,-= 61. ,N ,+2 8/15.-. *#, =2 65, .MG *+?" % # J (/+6*$*/+2CL 4-* ,6 /-<'7,00*, <2 1/6 0/- $+. , =*6 3,8/1, 7, 4/-<2 .+< * *6 .6 1$87 .0.#/$-* , .6 P *3,- =2 -/5,- =2 .+< / N8*6,2C /- .+= / 7,- 4/-< ,#,- 4.6 LA

+ 7, 1,.+ *1,2 47* , /+, 6,8*/+ /0 7, *3,-. 5.- = 4.6 87.-?*+? 7, / 7,- 4* 7 /-=*61 .+< *1*<* =2 7, / 7,- .+< 1/-, (/+6EG#. *#, 6,8*/+ 7.< +/ 3,,+ 3.8M4.-< *+ .=*+? 7, 47/ , 3.1, /0 7,*- 6,5.-. */+ $5/+ /N .+< 7*6 0-*,+<6 = 7,*- <,1/8-. *8 .+G ?$.?,2 .-?$,< 7, 6,8,<,-62 7,= 7.< , 7, 8/$+ -= / 7, #,-?, /0 ,#/ $*/+ = 7,*- $+6,.6/+.3 , .<#/8.8= /0 .-*.1,+ .-= -,0/-1 7,= 7.< . .-1,< 7, 0-*,+<6 /0 1/<,-. , *3,-=2 .+< 7$6 7.< </+,0 1/-, 7.-1 7.+ ?//< B/ 7, 8.$6, *+ 47*87 ,.87 .+< . /0 7,1 7.< 3,,+ *+ ,-,6 ,< $ Y.6 1.= -,.<* = 3, *1.?*+,<Y* 4.6 $5/+ /N 5,-6/+. = 7. 7,*- .+. 7,1.6 5-*+8*5. = <,68,+<,< /4 ,+ *-, =2L 4-* ,6 /-< &. 1,63$-=2 , 7.6 3-/M,+ $5 7, 5.- =† /4 1$87 7, 7.6 1.<, 7*6 3,6 0-*,+<62 .+< 7/6, /4.-<6 47/1 7, 7.f0 /3*?. */+6 /0 7, <,,5,6 +. $-,2 5.- .M,-6 /0 7, 8/+6,G @$,+8,6 /0 7*6 * 0B$<?,< 8/+<$8 †L [7, ,N -.#.?.+8, /0 (7.- ,6 /N2L 4-* ,6 /-<'7,00*, <2 7.6 3-/M,+ ,#,-= 5.- = *, f2 .+< .?.*+ ' /-,- 4-* ,6 / /-< $8M .+<Y

I 8:@%*1/ (..,#+(1/,1:, <(% ""+ UU 0 @"/+U
"6"/+U Z (./ *%;,#6*.7B# "*.",#<(% ""+U
8:@%*1/ (..,#+(1/,1:, <(% ""+U

PP *6' &/6' (7-*6 *.+' &.B,6 =2 . .6T R47/' 7.6' /6 '7*6'7,.<2
62 +/ ' +/4' 1/-,' /' 3,' 5 *,<' 7.+' (7.- ,62 47/'031.*+6'
.' 7,.<' 0/-6.M,+ .+<' . /+,' 55/6* */+' *6' 65 *+ ,-,<'*+ /'
.2 7/$6.+<' 5*,8,62 .+<' P /<' 6.#,' 7,' *+?C*6' 6/' 1$87'
7,'5-,#.* *+?' $+,2 7.' ,E,+' 7,' <.+8,6' . ' 7,' 5,-.'
.-,'8/15/6,<' /' 7,' /=.' .*-2.+<'P *+?' .+<' (/+6 * $ */+C
0*?$-,6' *+C 7,'7,.<6' .+<' 8.56' /0'/$-' 4, 0<-,66,<' .<*,6 L' '
7,'?-,.' F7*?' 5.- =' 4.6' *+<,,<' 3-/M,+' $5' F7,+2
6/1,'0/- =' =,.-6' .0 ,-4.-<62 .' <*++,-' 4.6' ?*#,+' /' 7,'
#,+,-.3 ,' 1,13,-' 0/-' &*<< ,6,N2 ,/-?,' =+?2 /' 8, ,G
3-. ,' 7,'0*0 *, 7' .++*#,-6.-=' /0'7*6'7.#*+?' 6.' *+' .- *.G
1,+' 0/-' 7.' 8/$+ =2 7,' . $<,<' 4* 7' 1$87' 5 ,.6.+ -=' '
/' 7,'6 . ,' /0' 7,' F7*?' 5.- =' *+' 7*6' =/$ 7' ' ' 7.6'
3,,+' .66,- ,<2L' 7,'6.*<2 ' 7.' 7,' F7*?6' 4/$ <' . ' 7.#,'
3,,+' 7, <'*+' /+,'7.8M+,=08/.87' 7*6' *6' .' 8. $1+=' F ,'
67/$ <' 7.#,'0* ,<' 4/L0' '/' .6/' /-<' ,N ,=' 4-/ ,'
/' ,.+' , ,4Y)/$' 1.=' B$<?,' /0' 7,*-'+$13,-6' 3='
7,'8*-8$16.+8,' 7.' 7,=' ?,+,-. =' 4,+' 7/1,' /'<*++,-'
4* 7' =-47* 'A/+,6' *+' 7*6' 8/.87 L'Z' 88/-<*+?' /' /-<'
'7,00*,<2 7,E5.- =' 4.6' -,<$8,<' /' -,=06' -,0/-1,-62L'
.+<' /'7.00.0</>,+' 4-/+?7,.<,<' 1,+2 47/' .4.=6' //M'
7,'6-.+?,'6*<,' /0' .'@$,6*/+ L' [' ' R
/N06' 6,5.-.*/+' 0-/1' 7*6' 5/* *8.' 0-*,+<6' +@' /+ ='
6.<=' -$00 ,<' 7*6'+. $-. =' ,#,+' .+<' 0/-?*#*+?' ,15,-2 3$'
4.6' 7,' /88.6*/+2 .55.-,+ =2 /0'7*6' 8/1 1* *+?' ,N -.#.G
?.+8*,62 47*87' *+' 7*6' 1/-,' -,.6/+.3 ,' 1/1,+6' 3,' 5-/G
3.3 =' -,?-, ,<' ' 7,-,'*6'+/' <<-,66.' 7*6' 1/1,+L Y'
R7,' /+,'<.=' ,N8 .*1,<' 4* 7' .+' /. 7Y 47*87' * ' 8/$ <'
0-.1,2 7.' ' 4/$ <' +/' 5-/5/6,' .+' .1,+<1,+' /' .+<'
<*#*<,' 7,' /$6,'$5/+ L2 7,'5/* *8.'6,+ *1,+6' 47*87'
7,' ,N5-,66,<2 +/' /+ =' *+' 5$3 *82 3$' .1/+?' 7*6' 5,-6/+.

I' 8:@%*1/' (..,#+(1/,1:,'<(%'""'+'U '
-' (./' *;+6,%%3#' "<,#'(0'-),')*1:,%%(.#'<(%'<'+' U'1(-,'
-' ,0-(=B#' "0,'(0' (./' "/;(1-)'<(%'""'+' !L
Z' 8:@%*1/' (..,#+(1/,1:,'<(%'""'+'U !
' (./' *%;,#68" B#' "*.",#'<(%'""'+'UU

0-*,+<6 8,- .*+ ='3/-<,-,< /+'-,5$3 *8.+*61' ' +' -*<.=' +*?7 2C 4-* ,6' /-< '7,00*, <' '(7.- ,6' / < +6' <*6 *+8 =' 7.' 7,' 6/#,-,*?+ =' 4.6' .36/ $, =' *+' 7,' 5,/5 ,'f 7.' 7,' 1/+.-87=' 4.6' , ,8 *#, Y / 7,-4*6,' 7,' <=+.6 =' /0' -$+64*8M' 7.< +/' -*?7 Y .+< 7.' 47,+' .' 1.B/-* =' /0' 7,'5,/5 ,' 7/$?7' .+/ 7,-'M*+</0'?/#,-+1 ,+'5-,0,-.3 ,' 7,=' $+</$3 ,< =' 7.< .' -*?7' /' 8.67*,-' 7,' *+?L' ?.*+' /-< &. 1,63$-='4-* ,6Y' *6'5-*+8*5 ,6'3/-,' 7,' 6 -/+?,6'1.-M6'/0'.' ,.+*+?' /4.-<6' ,5$3 *8.+*61' .+< 7,' ,N5-,66,< 7,1' . 1/6' .6' 6 -/+? =' /' $6' 8/ ,8 *#, =' .6' 7,' 7.< </+,' 3,0/-,' /' 1,' . /+,' 47,+' .' ' ' ++,0'6' * ' .+<*+' ' 'A.1,60'6 '@$.-, L'0' +' /+,' /88.6*/+' 4,' 0*+< 7*1' ,157. *8. =' <-*+M*+?' /' 7,' '&.B,6 =' /0' 7,' ,/5 ,'2L' .+< /+' .+/ 7,-' /88.6*/+' 7/ <*+?' 6$87' #*/ ,+' <,1/8-. *8' .+?$.?,' . ' .' /=.' .66/8*. */+' *+' ' ' ,/-?,0'6' 5.-*67' 7.' 7,' 4.6' #,-=' +,.- =' 3,*+?' 7-$6' /$' /0' 7,' -//1' ' 6,+6*3 ,' 1.+' 47/' 6.' +,N' /' 7*12L' 4-* ,6' B,' -873*67/5' /0' (.+ ,-3$-='$.66$-,< 1,' /0' 7*6'f .+< 7.' 0-/1' 7,' 8/15-,66*/+' /0' 7*6' ,, 7' *+' /-<,-' /' 8/+8,.' 7*6' .?* . */+' 7*6' 87,,M6' 67//M' .6' *0' 7,' 4.6Ee$+<,-' .' 0*' /0' .+' .?$, LT

7/$?7' 7,' *+?' 7.< -,.6/+' ,+/$?7' /' 3,' *+8,+6,< .' /N0'6' 8/+<$8' .' 7*6' 5,-*/<' 6 * ' * ' 4.6' +/' * ' .' . ,-' <. ,' 7.' '7,' .</5 ,< 7,' 6$11.-=' 6 ,5' /0' ,-.6*+?' 7*6' +.1,' 0-/1' 7`' *6' /0' -*#=' (/$+8* /-6' 7,' 0/ /4*+?' 8$-*/$6' 1,1/-.+<.' .-,' -.+68-*3,<0-/1' 7,' &' '3//M6'*+' 7,' -*#=' (/$+8*' 00*8,' Y

' 'B% C0' '& =/9: ;

C')"# /*7' "# *5,#-7f"1' (81:"%')*<"12' (./,.,/' -),' "(81:"% 6((@'-'6,' %*"/' 6,0(.,')" ; ' -),' 1* ; ,' (0' -%",' (1(8.*6%,')*.%,# * ; ,# (>' =*# ,.*#,/'0.(;' -),' %"#-' (0' ."<7' (81:"%%(.#B3

+' 7,' &' '+/1*+.' *6' /0' -*#=' (/$+8* /-6' 7,' 6 -/M,

f' 80@%81/' (..,#+(:/:1:,'<(%'""' +'U
-' (./' *%; ,#68.73#' "*.",#'<('""' +'UU
-' 8:@%*1/' (..,#+(1/,1:,'<(%'""' +'U

/0 .5,+ -$+6 7-/$?7 7,+.1,/0 (7.- ,6 /N .?.*+6 47*87 .-, 7,0/ /4*+? 4/-<6 *+ 7,7.+<4-* *+? /0 7, (,-M /0 7, (/$+8*0Y

C -.8:@ (8-67 "# *5,#-7"8 (81:"% ="-))"# (=1)*1/ (1-), -) (0 *7 E E H0 ! G

7,*11,<*. ,/88.6*/+ /0 7, *+?06 .+?,-*6 6$55/6,< /7.#,3,,+ .<,1/8-.*8 /.6 5-/5/6,< 3= /N . . <*++,- . 7,F7*?($3Y / 7, 6/#,-,*?+ = /0 *, ,/5,/0 -, -* .*+ L

-, . -* .*+ 4.6 +/4 /+ 7, ,#, /0 7, /+?,6 7, 1/6 ,N5,+6*#, .+< 1/6 6.+?$*+.-= 4.- *+ 47*87 * 7.6 ,#,- 3,,+ 7,- ,\+ 0/-$+, /3, ,+?.?,< 7.6 0-,@$,+ = 3,,+ .66,-, < 7. &- * 4.6 7, 8.$6, /0 7. 4.-3$ 4, 3, *,#, 4*7 ?-, . *+B$6 *8, +7, 8/+G -.-=7, 6,,16+/ /+ = /7.#, ,.-+,6 = <,6*-,<5,.8, 3$ /7.#, </+, 7*6$ 1/6 /5-,#,+ /5.+ /4,-6 <,8 .*+? 4.- .+<7 .6 =47,+ 4.- 3, 4,,+ -.+8, .+< 7, ,-1.+ /4,-6 6$36,@$,+ = 3,8.1, *+,#* .3, /7.#, 1.<, ,#,-= ,N,-*/+ /5-,#,+ -, . -* .*+ 3,*+? ,+ .+? ,< *+ 7, 8/+ ,6 *6 *#*67 4.6 .6 ,N5-,66,< 3= 7*16, 0 *+ . , ,- /7, &.-@$*6 /0 ' .00/-< /, .#, -.+8, /.--.+?, * 6 /4+ *+ ,-+. .00.*-6 .6 * 8.+ L0 +0.8 +/ /+ = </,6 &- * 6 .+?$.?, *+ 7, /$6, /0 (/11/+6 -,5,., < = <,1/+6 -. , 7. 6/ 0.- 0-/1 <,6*-*+? 4.- 7, -,?.-<,< * .6 .+ *15-/3.3 , ,#,+ 3$. 7*6 0.#/$-* , 1,.6$-,6 /0 0*+.+8, .+< ,8/+/1= . 7*6 5-/B,8 6 0/- 7, .<#.+8,1,+ /0 8/11,-8, .+< 0/- 7, -,<$8 */+ /0 .N. */+ 4,-, I0/$+<,< /+ 7, 3.6*6 .+< ,N5,8. */+ /0 .5,-1.+,+ 5,.8, /1.+2L 6.*<

I C 1 ,..(.(0 0*-*% "10%8(8:(8+(1-)(++(#-"(1+*.-7 33 = ."-,# .*1:"# (.1,. C =*# -), :(81-,1*1:,2"<,1-)(*:(6"1+*.-7 "1 12%*1/67 . (> ,=*# ; "#%, /"1-)"# 67 #(; ,+,(+%,*6(8-)"; *1/67-), +,. 8*#"(1 1(/(86-)*-), +(=,.08% WE %""F+*.-7 ;"2)- ,*#"%7 6, .,#-.*"1,/0.(; ,>:,##*1/"1-)(; ,*1 -"; , 2"<, ,00,:-8*% *"/ -(-".(+., <*%,1:, (0 +(+8%*. #,1-"; , ; -# D # (."8. <,.7 58#-%7 (6#,.<,# (> <0,%- -((; 8:)*1/ .,0%,:-,/ -((%"--%, ; N 4 & ' ' E / <(%""+ U X (#,3# "*.",#<(%""+ L

F* *.1' -,+#* ,' /' &-' /?,-6' 8/$< 4*67' 1/-,' /' 5-,6,-#,' 5,<8,' 4* 7' -.+8,' *6' 7,.-' 4.6' 6,' $5/+' 5,.8,' .+< $5/+' 0*+.+8*.' *15-/#,1,+6' 7,' 4.-' 4.6' 0/-8,< $5/+' 7*1 L

$' 47* ,' 4,' 0-,, =' .<1*' 7.' &-' * ' 4.6' .+N*/$6' /' .#,-' 7,' 7/--/-6' /0' 4.-' 0-/1' 7*6' 8/$+ -=' *' 3,' @$,6*/+,< 47, 7,-' 3=' 7,' ,N,-8*6,' /0' ?-,. ,-' 0/-,6*?7' .+< 5-$<,+8,' .+< 3=' 7,' .</5*/+' /0' .' 1/-,' 8/+8**. /-=' /+,' /4.-<6' 7,' -,+87' ,5$3*8' 7,' 1*?7' +/' 7.#,' /+?' -, .-<,<' /-' 5/66*3 =' 7.#,' 5-,#,+ ,< . /?, 7,-' 7/6,' ,--*3 ,' 7/6***,6' 47*87' .6 ,< 0/-' +, .- =' .' <,8.<,' .0 ,-' 7,' ?-,. ' &*+*6 ,-' 7.< 3,,+' .*< *+0' 7,' /13' *+' F,6 G 1*+6 ,-' 33,=' ' 7/$?7'L' 4-* ,E7*6' 0-*,+< F* 3,-0/-8,' '. ' 7,' 8/11,+8,1,+' /0' 7,' 4.-' ' 8/$< <, *3,-. , =' <,8 .-,' 7.' 4,' 4,-,' +/' 7,' .66.* .+ 6' .+< 7,-,0/-,' 7.' *' 4.6' B$6' .+< +,8,66.-=' =,' ' 7.< 3$' //' 1$87' -,.6/+' /' M+/4' 7.' 7,' &*+*6 -=' 7.< +/' .M,+' <$,' 5.*+6' 0B' 5-,#,+' * 6' 3-,.M*+?' /$ L' 0' ' . ' ,#,+ 6' 7.#*+?' /+8,' 8/+8,<,< 7,' ?-.+< 5-*+8*5 ,' 7.' ,#,-=' 8/$+ -=' 7.6' .' -*?7' /' 1.+.?,' * 6' /4+' </1,6*8' .00.*-6*+' * 6' /4+' 4.=' * '3,8.1,' /+ =' .' 5.-' /0' 7*6' /-<*+.-=' <$ =' /' ,N,-8*6,' *+' 7*6' <,. *+?6' 4* 7' -.+8,' 7.' .8' .+< <*68-,G */+' 47*87' .00/-<,< 7,' 3,6' 5-/65,8' /0' .#,- *+?' 7,' ?-,. ' ,#*' 47*87' 7,' .<1* ,< =' <,5-,8. ,< .+< <-,.<,<' +' 7,' 8/+ -.-=' 3=' 7*6' 87$-*67' -,8,5*/+' /0' 7,' 0-*,+< =' .+< 5.8*0*8' .66$-.+8,6' 1.<,' /' +? .+< 3=' 7,' -,+87' +.*/+Y3=' 7,' /0 =' .66$15*/+' /0' 6$5,-*/-* =' 4* 7' 47*87' 7,' ,N7/- ,< -.+8,' ' /' -,+/$+8,' 7,-' #*,46' /0' .??-,66*/+' .+< .??-.+<*>,1,+' .+< | ' 8/+0*+,' 7,-6,0' 4* 7*+' 7,-' /4+' ,--* /-=LY3=' 7*6' <*61*66*/+' /0' &' (7.$#,*+' 0-/1' /+</+' f 3=' 7*6' -,8. ' /0' /-< /4,-' 0-/1' .-*6' .0 ,-' 7,' ,N,8$*/+' /0' /$*6' 7,' '*N ,,+7Y.+<' .6 =' 3=' 7,' -,0$6.' /0' +? .+< /' -,8,*#,' .+' .88-,<* ,< &*+*6 ,-' 0-/1 7,' (/+#,+*/+' +/ 4* 76 .+<*+?' '5.*+Y8 /E=' . *,< .6

5-/1/ ,< 0-/1 7, ,8$-,0-/ 1 /0 7,H+*#,-6* = / 7,
0*-6 6,. . *, -,.6$-= /.-< 7$6 1.+= #. $.3 ,
=,.-6 47*87 /$?7 / 7.#,3,,+ 5.66,< *+ .-<$/$6 6 $<=
.+< <,,5 -,0 ,8*/+Y*+ 5-,5.-*+?7*16, 0 / 0-.1,8/1G
5*8. ,< -,.*,6 .+< /-?.+*>,?-,. 1** .-= ,N5,<**/+6Y
7.<3,,+8/+0*+,< / -,<$8*+? .N. */+ / *15-/#*+? 7,
-,#,+$, / 6,8$-*+? .-*.1,+ .-= -*$1576 .+<8.--=*+?
6$88,660$ 3$<?, 6 7-/$?7 .-*.1,+ &/-,/#,- 7,-,
4,-, / 7,-<,0*8*,+8*,6 47*87 7, 7.< / 8/+ ,+< .?.*+6
4*+? / 7,<,*8.8= /0 7*6 8/+6*$*/+ 7, 7.< 3,,+
3-/$?7 $5 . 7/1, .+< 7$6 7.< 7.< * , /55/-$+* =
/0 .8@$*-*+? 7. <,6*-.3 , M+/4 ,<?, /0 7$1.+ +. $-,
.+< /0 7, 4/-< 47*87 .+ ,<$8.*/+ . .5$3 *8 687//*6
8. 8$. ,< / *15.- ,7.< +/M+/4 ,<?, /0 .+= 1/<,1
.+?$.?, 3$ 7, -,+87 47*87 7, M+,4 3$ **15,-0,8 =
.+< 8/+6,@$,+ = 7.< 3,,+ .00/-<,< 3$ 0,4 /88.6*/+6 /0
8/+#,-6*+? 0-,, = .+< .<#.+ .?,/$6 = 4* 7 7, <*68,-+*+?
.+< 6.?.8*/$6 1,+ /0 / 7,-8/$+ -*,6 ,#,- 3$ /+ /+,
/88.6*/+ 7.#*+? 8-/66,< 7, -**67 (7.++, .+< 7,+
1,-, = /+ .#.8.*/+ -*5 7*6 5/4,-0$ 1*+<7.<.8@$*-,<
+/ ,+*?7 ,+1,+ 0-/1 0/-,*?+ -.#, 4.6 *+ 0.8
7*6 1*60/-$+, .6 4, 0*+< 6$368-*3,< 6,#,-. = 3= /-<
&.1,63$-= .+< &- F*+<3.1 7. 7, 4.6 +/ 6$0 '0
8*,+ = .8@$.*+ ,< 4* 7 1.+M*+<f 7.< +/ 1*N,< ,+/$?7
*+ 7, 4/-<L /66*3 = **1.= 7.#, 3,,+ 1.*+ =
/4*+? / 7,6, <,0,8 6 7. /+ 7, 3-,.M*+? /$ /0 3,
-,+87 ,#/$*/+ 4, 0*+< 7*1 6-.+?, = *+6,+6*3 , /
7, 6*?+6 .+< 5,-* 6 /0 7, *1,6f *+8.5.3 , .55.-,+ =
/0 .55-,8*. *+? 7, #.6 -,6/$-8,6 .+< 1** .-= ?-,. G
+,66 /0 7, -,+87 +. */+f .+< 8/+6,@$,+ = *+6 ,.< /0
.+ *8*5. *+? .+< 5-,5.-*+? 0/-. 6 . , /0 4.- 5 $+?*+?
+ / 7, /55/6 , ,N-,1, /0 -,<$8*+? 7, 1** .-= ,6 .3G
671,+ 6 /0 7, 8/$+ -= 4 7 . 7, 6, 006. *60*,< 8/15 .G
8,+8= /0 . 8/11/+5 .8, 0*+.+8*,- 7, 0.8 *6 . +/ /-*/$6

/+, 7. 6/ . , .6 7, 1/+ 7 /0 ,3-$.-=9: 7, $+G
7,6* . *+? =, N5-,66,< 7*6 8/+#*8 */+ *+ .- *. 1,+ 7. $+@$,6 */+.3 = 7,-, +,#,- 4.6 . *1, *+ 7, 7*6 /-= /0 7*6 8/$+ -=7 47,+7 4 L 7 / 4, 1*?7 1/-, -,.6/+.3 = ,N5,8 0*0 , ,+ =,.-6 /0 5,.8, 7.+ . 7, 5-,6,+ 1/1,+ L + *M, 1.++,-7 47,+ 4.- 7.< 3,8/1, *+,#* .3 ,7 7, 5/*+ ,< 4* 7 7*6 .88$6 /1,< 8/+0*<,+8, / 7, ,N7.$6 ,< 6 . , /0 7, -,+87 0*+.+8,67 .-?$*+?7 0-/1 7*6 #,-= *+8/+8 $6*#, 0.8 7. 7, 8/+ ,6 1$6 +,8,66.-* =3, . 3-*,0 .+< *+8/+6*<,-.3 , /+, ?.*+7 47,+ 1/-, 0.-06*?7 ,< 5,-6/+6 7.+ 7*16, 0 6/$?7 / 4,.+ 7*1 0-/1 7*6 <, $6*/+7 * 4.6 +/ 4* 7/$ *15.G *,+8,7 4, .-, / <7 7. 7, *6 ,+,< / 7, *- .-?$1,+ 6 4* 3, . #,-= E7/- 4.-2L 7, /+8, /36,-#,<7 .+< 8,- .*+ =3, ,+<,< *+ /+, /- 4/ 8.15.*?+6 L Y /7 6*-2L 4,-, 7, 4/-<6 /0 $-M,7 47,+ 7*6 .-?$1,+ 4.6 -,G 5,. ,< 5 7*17 * 4* 3, . /+?7 4.- .+< . <.+?,-/$6 4.-7 3$ * 1$6 3, $+<,- .M,+ LT $-M,06 5-,<*8 */+ 5-/#,< 8/--,8 ,0/-, . 4, #,1/+ 7 7.< , .56,<7 1/-, 7.+ . 1* */+ /0 ,+ 7$6*.6 *8 -,+871,+7 7, 1/6 0/-1*<.3 , 1* * .-= 5,/5 , *+ $-/5,7 .-, 8/15$,< /7.#, -$67,< /.-16 //< /<1 1= <,.- /-<2RL 4-* ,6 /-< ' .+G 7/5, /, /+, /0 7, &*+*6 ,-67 /-< -,+#* ,7 =/$7.#, +/ 8/+8,5 */+ /0 7, 1*60/- $+,6 =/$ 1.= 3-*+? $5/+ +? .+< 3= ?/*+? /4.- 4* 7 -.+8, /- .6 / -.+8,20 3, *,#, . $-/5, 8.++/ 6$3<$, 7,1 47. ,#,- ,00/-6 1.= 3, 1.<, 4* /+ = -/$6, 7,1 1/-, L Z +/ 7,- M, ,+06*?7 ,< 5,-6/+7 / 47/6, -,5-,6,+ . */+6 &- * $-+,< . <,.0 , .-7 4.6 & *?/ <, ' (-/*N7 0/-1,- = &*+*6 ,- 0/- /-,*?+ 00.*-6 *+ -.+8, F7,+ 7, +?G *67 &*+*6 ,- ,+<,.#/$-,< ! 67/4 7*1 7, *15/66*3* * = @0 -.+8, 3,*+? .3 , /8.--= /+ 7, 4.- 0/- 1/-, 7.+

f *." "#- 9=N >>"> :(- "0((0 E"%6, .0(<: : <(""" ++
*. -*1)(+,3# "0((0 "-- <(""" ++

6*N 1/+ 76Y ' '*-2L 7, -,5*,< *0 M+,4 7, -,6/$-8,6 /0 -.+8, .6 4, .6 M+/4 7,12 =/$ 4/$ < M+/4 7. 67, *6 8.5.3 , /0 8.--=*+? /+ 4.- 0/- . ?-,. , +? 7 /0 *1, ' '*-2 -.+8, *6 1/-, 5/4,-0$ 3,8.$6, 67, 7.6 +/ 47. =/$ 8. 0*+.+8,6 7/6, 47/ .-, *+ 5/66,66*/+ /0 7, /#,-+1,+ 4* 5$. 5-/5,- =*+ -,@$*6* */+ L '/ $+5. . .3 , 4.6 7*6 .+?$.?, /' &- * 2 7. 0-/1C 7. 7/$- 7, -,+8710.+ +,#,- 8. , < $5/+ 7*+* 3$ 7, 0/$+< 7, </!/- /0 7, &*+*6 ,-06 7/$6, 8 /6, < .?.*+6 7*1

7.6 3,,+ .66,- , <2 /' 7, 5-,B$<*8, /0I ,/-?, 7, 7*-<2 7. 7, 4.- 4* 7 -.+8, 4.6 7*?7 =.88,5 .3 , L /' 7*6 0,, *+?6 0 +7, 8/+ -.-=2 7, 4.6 $+@$,6 */+.3 = 1/6 .+N*/$6 /' 5-,6,-#, 5,.8,2 +/- 4.6 * * 7, 0,.-6 .+< <*6?$6 /0 F 7*?2.6 4, .6 /-=2 7.< 3,,+ 7/-/$?7 = .-/$6,< 3= 7, . -/8* *,6 8/1 1* ,< 3= 7, -,+87 5,/5 ,2 3= 7, *- -,+$+8*. */+ /0 (7-*6 *.+* =2 .+< 3= 7, <,8.5* .G */+ /0 7, *- '/#,-,*?+2 7. 7, *+?7 4.6 -, $8 .+ =2 *+<$8,< /' B/*+ *+ 7, . 1/6 ?,+,-. <,6*-, 0/- .8-$6.<, /+ 3,7. 0/0 -, *?*/+2 5-/5,- =2 .+< /-<,-

I ":%"(%%#3 ,:(%%,:-"(1# (0 -), ,"21 (0 ,(.2, <(%'"'++ U! UU U - ; 8#- 6, */ ; "--, / "1 58#-":, -(. "--3# #*2*:"-7 -) ,=*# 0*.0.(; 6,"12 -), (1%7 %, */"12 +(%"-":"*1 (0 -), /*7 =)(6*/ */(+-, /' -)"# #)(.-9#"2)-, /'<", = (0 -), +(=, .'*1/ ,,#(8.:,# (0 .*1:, 1'-), /,6*-, (1 -), . ;7 #-"; *-,# (1 -), -6 (0 ,6.8*.7 = ,0"1/ 8.@, /,#:."6"12 .*1:, *#"1 *C+(%"-":*%"2)-D C,>G +812,/ (8- (0 -), #7#-, ; (0 8.(+, D4 E <(%>><"""":(% !L!), .,1,6 ."-,# (./ .,1<"R, C="%%1(- 0(. ; *17 7,*.# 6,"1 *# "-8*-"(1 -(; (%,#- -),"1<*%8*6%," +,*:, =)":)=, 1(=,15(7 +3 % /' & <(%'"" +' L' -=*# *%#(' -), (+"1"(1 (0 (./),00",%/'#(%*-,'*# :-(6,. -)*-C .*1:,=(8%/')*./%7<,1-8.,-(':(; , -(' *1 (+,1A8*..,%="-)8#'*1/ "0 -),7 /"/ -),.,=(8%/'6, *' :(; +%,-, (++(.-81"-7 (0 *11")"%*-"12 -)," ; *."1, *1/ :(%(1",# 23 % 4) & <(W "" + UL B 1/,,/ ,<,1 *- *# -"%% %*-,. +,."(/ =),1 =*.)*/ *:-8*%%7 6.(@,1(8- =,0"1/ (./ 8:@%*1/ +.,/":-"12 -)*- C .*1:,="%%#((1:,*#, -(6,*1(65,.- (0 *%*. ; -(' (-),. 1*-"(1#*1/="%% #"1@ ="-)"1),.#,%0"1-(' *1*67## (0)(..(.# (0 ,<,.7 @"1/ 40*; "1, :"<"% =*. .*+"1, ; *##*:.,# *1/ 8%-"; *-,%7 *# #,+*.*-"(1(0b2(<, ; ; ,1-# *1/<*."(8# /"#-1, ; 6,. ; ,1-# D4 # <(%'"" +'U L ,- 6,0(.,%(12'1(- (1%7)*/ -), 12%"#) *. ; 7 -(' 8#, (./ *:*8%*73# =(./#6,:(; , C-),%*82)"129#-(:@ (0 *%% 8.(+,D B+ & +' L 7 68- 6,0(., ; *17 7,*" , %*+#,/ -),2,1"8# (0 .*1:,) */ #-*; +,/), 0((- 8+(1 -), 0*%%,1 -%; (1,# (0 "F#- (0 -), *1:",1- #(<, ,"21-",# (0 8.(+,
- ":)(%%#3 ,:(%%,:-"(1# <(%"B+ !

C 8 .,-8.1"12 0.(;)81-"12)*<,0(81/ . "--3# 1(-, 67=):) % ,*.1 -)*- (./ ,*"":)*; + #,:(1/,/ -), ;(-"(1 0(. *1 //.,##=):)=*# (1%7(++(#,/67 (./E7:(;6, .E)"-G 6.,*/ .(>*1/ (./E"%%"*; 8##,%%),'";+.,##"(1 (0-), (8#, #,,;# 58#- =)*- :(8%/)*<, 6,,1 ,>+,:-,/? 0(." "0 -), (::*#"(1 ,<,. :(8%/(::8.-)*-,<,.7+(=,.0(.-),+.,#,.<*-"(1 (0 #(:",-7 ;8#- #-*1/0(.-)"1 (++(#"-"(1 -(.*1:, -), 1,:,##"-7 #,,;# -(6,*-), +.,#,1-)(8. 1/,,/ ;7 1*-8.*% #,1-";,1-# *.,#(# #-.(12 0(. +,*:, -)*- 1(,<,1- (0 %,## ;(;,1- -)*1 -), +.,#,1-:(8%/)*<, ;*/,';,/,:"/,/%7(0(+"1"(1 -)*-/8-7*# =,%% *#"1-,.,#- :*%%# (1 8# -('5("1*2*"1#- -)*- ;(#- #*<*2,*# =,%% *# 81+."1:"+%,/1*-"(1

C D I

7, ,#,+L /047*87 7, *+?. $<,6R4*7 6/ 1$87 *+<*?+. */+ 4.6 </$3 ,66 7, ,N,8$*/+ /0 7*6 3-/7,-0 1/+.-87 47*87 7.< .M,+5 .8,+/ 1.+=<.=6 5-,#*/$6 = /7,<. ,/0 7*6 , ,- 7, *+?7.< #,-=+. $-. = <,,5=*+ ,-,6 ,<7*16, 0*+ 7, 1*60/-$+,6 /0 7, /=. .1*=/0 -.+8, .+< ,65,8*. =*+ 7, *+7$1.+ 6$00,-*+?6 /47*87 7,=7.< 3,,+ 6$3B,8 ,<*+ 7, ,15, 7$6 47,+ 7, (/$+ ,66 /0 '$7,-.+< /+ 7,- -, $-+ 0-/1 .-*6 -,8/$+ ,< /7*1 6/1,/0 7,<, .*6 /0 7. ,--*3 , <$-.+8, Y0/-*+6 .+8, 7/4 67, 7.< 8/+ -*#,< /8/+#,= 6/1,/0 7,- /4+?.-1,+6 /7, /+8, -,?. 3,$*0$.+< 7. 004/-67*55,< &.-*, + /*+, , .+< 6/1,/0 7,- 87* <-,+6 8/7,6 /7,*++/8,+ .$57*+ YE7, *+?*6 6.*< /7.#,3,,+6/ .00,8 ,<.6 /67,< ,.-6

7,8/11,+8,1,+ /0 7, /+?6.+?$*+.-= .+<6,+6,G ,66 7/6***,6 47*87 0/ /4,<3,.-6<. ,0-/1 7, 96 /0 ,3-$.-= 9: 7,<.= /+ 47*87 -.+8,0/-1. =<,8.-,< 4.- .?.*+6 -,. -* .*+ .+< 7,H+*,< -/#*+8,6 + 7,99 7 .1,66.?,0-/1 7, *+?.++/$+8,< 7,0.8 /.-*.1,+ .+< /+ 7, K7 7-,, 3. .*/+6 /0 7,

I *.% -*1)(+,B# "0,'(0 "--'<("' "" ' ++,1/">'><%@

: ' * * ' ' ' ' %% !

(' "1

%%,2*% ; *.."*2,' +0 -),' 8@,' (0 8##,>' 4' (./' (=,3# 2.,*-' 1*<*% <":-(.7 (0 -%"(' ".#-' (0 81(' 4'),' "123# :(12.*-8%*-(.7 %,--,.# (1' -),' #865,:-' -(' -%",' (=,' 0* ; "%7 4' ,:*%% (0 -),' 8@,' (0 (.@ 0.(;' -)(' :(; ; *1/' (0 -),' *. ;7 "1' -%",' ,-),.%*1/# 4' *.."*2,' (0 -)(' ."1:,' (0 E *%,# 4'),' "12' *##*"%,/' 67' *' ; (6' (1' 6"# =*7 -(' *1/' 0.(;' *.%"* ; ,1-' 4' "# +(+8%*."-7 ="-)' -),' ; "//%,' :%*##,# 4' ".-)' (0 -),' ."1:,##)*.%(--,' (0 E *%,# 4),' "12' *-' -(1' (1-,;' 4' (8.-' #:(1,' (1'-),' ,..*:,' *-' E"1/#(. 4 *.."*2,' (0-)(' 8@,' (0 (.@

/ ' /+ =',#,+' /0 .+=' 5.- *8$.-' *+ ,-,6' *+' *,' </1,6 *8' 7*6 /-=' /0 ,/-?,' 7,' 7*-< <$-*+?' 7,' =,.-' 9: 2' 4.6' 7,' 1.--*.?,' .' /1,2 /+' 7,' _ 7' /0 5-* 2' /0 7*6' 6*N 7' 6/+2' 7,' $M,' /0 '$66,NY 7,+' .' =/$ 7' *+' 7*6' 4,+ =0' 0*-6' =,.-Y 4* 7' .<=' $?$6 .' &$--.=2' <.$?7 ,-' /0' A/7+' 0/$- 7' .-' /0' $+1/-,2 .' .<=' 6/1,' =,.-6' / <,-' 7.+' 7*16, 0f 7,' 1.--*.?,' 8,-,1/+=' 3,*+?' 6$36,@$,+ =' -,5,. ,</+' 7,' W 7' /0' ,8,13,-2 *+' ' ' ,/-?,06 (7$-872' .+/#,-06@$.-,2 /+</+ 0' 7*6' *15-$<,+' .+<' * ,?.' 1.87' 8/$< 68.-8, =' 0.*' /' 3,' 1/6 R<*65 ,.6*+?' /' 7,' *+?2' 3=' 47/6,' 8/11.+<' ,#*<,+8,6' /0' 7,' </$3 ,' $+*/+' 4,-,' 6$36,@$,+ =' .*< 3,0/-,' 7,' 88 ,6*.6 *8.' (/$- 62' 47,+' 3/ 7' 1.--*.?,6' 4,-,' <,8 .-,<' /' 3,' 8/+ -.-=' /' 7,' 5-/#*6*/+6' /0' 7,' /=.' &.--*.?,' 8 2' .+<' 8/+6,@$,+ =' +$ ' .+<' #/*< ' ' ' (/$+8*2L' 4-* ,6' /-<' $8M .+<' /' /-<' ,+-=' '5,+8,-' /+' 7,' : 7' K0' A.+$.-=2' 9: _2' '6* 6' 3/ 7' /0<.# .+<' /01/--/4' /' ,N.1*+,' 7,' 8*-8$10 6 .+8,6' /0' -*+8,' $?$6 $606 1.--*.?,2 .+<' /' 1.M,' .' -,5/-' /' 7,' *+?' .<=' $+1/-,' .+< / 7,-6' 7.#,' 3,,+' ,N.1*+,<' 7,' 5.-*,6' 4,-,' <*6?$*6,< .' 7,' 8,-,1/+=2

I' I' *g%7 828#-*' =%"H' *##8 ; :"%' 67' #"21' ; *18*%' -)(' 1* ; ,' (0 3 ; ,)"1/' /",/' *-(; ,' "1' B

.+< 7,' 5.-6/+' </,6 +/ ' .55,.-' /' 7.#,' M+/4+' 7,*+'
7,' 8,-,1/+=' 4.6 /+' 7,' W 7 /0 ,8,13,-2 .+< 7,' .<='
4.6 <,*#,-,< /0 .' 3/=' /+' 7,' 9 7 *+6 .+ L' ' 7,' 0.8'
6 .' -,1.-M.3 ,' /+,2 7. 2 . 7/$?7 7,' 1.--.?,' .' ' '
,/-?,0 4.6 5$3 *67,< 3=' 3.++62 .+< . 7/$?7 7,' $M,'
.+< 7,' .<=' 4,-,' -,65,8 *#, =' 1.--*,<3=' 7,*-' -,.' +.*$,62
$?$6 $6 -,<,-*8M .+< $?$6 .' &$--.=2=,' +,* 7,-' 7,'
-,8 /-'+/-'.+=' /0 7*6 6$3/-<*+. ,6 6,,1' /' 7. E',+ ,- .*+,<
7,'6 *?7 ,6'6$65*8*/+' /0 7,*-' -,.' -.+M .+< 5/6* */+' ' /'
15-/3.3 ,2 7/4,#,-2 <<' *' 6,,12 7.' /+,' .+ <. ' /0 7/6,'
5-,6,+' 67/$ <7.#,' 3,,+' *?+/-.+' /0 7,' -$ 72 7.' 47,+'
7,' .00.*-' 8.1,' /' 3,' *+#,6 *?. ,< 3=' 7,' -*#=' (/$+8* 2
/-< 7$- /4' <,+/$+8,< 7,*-' 8/+<$8' *+' . 1/6' #*/ ,+ 2
.+?$.?,' ' *-]C 7,' 6.*< .+?-* =' /' /-< </+2 7,+'
/-+,=0 ,+,-. 2 ' 47=' 7.#,' =/$ +/ ' 5-/6,8$,<2 $+<,-'
7,' 8 ' /0 .-*.1,+ 2 . ' 7,' 5.-*,6 8/+8,-+,<*+' 7*6
.3/1*+.3 ,' 1.--*.?,' SL' .55* =' 7,' /-+,=0 ,+,-.' 4.6
-,.<=' 4* 7 .' 8/15 , ,' -,5 =' ' .+64,-,<2L' 7,' 4-* ,62
'r 7.' *' 4.6 .' #,-=' <*00*8$ ' 3$6*+,66 /' 5-/6,8$, Y 7.'
7,' 8 2 *' 4.6 $+<,-6 //<2 7.< 3,,+' <-.4+' 3=' /-<
&.+60*, <2 & '' : 8? ' ' 2.+< &-' '/ *8* /-0'
,+,-.' F ,<<,-3$-+2 47/' $+ $8M* =' 7.< 1.<,' . ' 5.-*,6
5-,6,+' . ' 7,' 1.--*.?,' ?$* =' /0 0, /+=2 .+< .6 +/3/<='
8/$ <5-/#,' 7,' 1.--*.?,' ,N8,5' .' 5,-6/+' 47/' 7.< 3,,+'
5-,6,+' .' * 2 7,-,' 8/$ <3,'+/' 5-/6,8$ */+2 3,8.$6,' +/3/<='
5-,6,+' 8/$ <3,' 8/15, ,< /' 3,' .' 4* +,66' 7*6 5$' .+'
,+< /' 7,' 1. ,- L'0
7,' =,.-' 9: _' 4.6 -,1.-M.3 ,' 0/-' 7,' ?-,.' +.#.'
#*8 /-=' /3 .*+,< 3=' 0 7,' *+?06 0.#/$-* ,' <1*-. 2 /-<
/4,2 /+' 7,' 96' /0 A$+,2 /#,-' 7,' -,+87 0 ,, ' +' 7,'
? /-*/$6 *<*+?6 3,*+?7 8/1 1$+*8. ,< /' 7,' *+?2 7,' 4-/ ,'
7,' 0/ /4*+? , ,-6 IY

I' 8:@%*1/' (..,#+(1/(1:,' <(%' """' ++' '),' :)"%/'),.(' .,0,..,/' -(' =*# -),'%*-,' ".' 828#-8# .,/,.":@ 3 #-,' ' -' ="###8# "0,'(0 %/(1'<(%'"' ++' !L'

': ' '43 'E$

C'PE1# '#(' 81,'%%" -' U

C' */7' (=,' ="%%' ' -.8#-'6,%",<,' -)*-'1,>-'-(' -),' #"21*%' */<*1-*2,'-(9-),' 2.,*-':*8#,' "1' =)":)' -)"#' :(81-.7'"#' ,12*2,/' K1(-)"12':*1'2"<,' ; ,' ; (.,'#*-"#0*:-"(1'-)*1'-)*-'"-')*#' 6,,1'(6-*"1,/' 67'-),' #@"%%' *1/' 6.*<,.7' (0' *.%' (=,' *1/' ' #"1:,.,%7' .,-8.1'-%"*1@#'-(' -),' %;"2)-7'="-)(8-'*17'+,.#(1*%'%(##'-(')";#,%0'),' #-'(0' 81,' ;8#-'6,' .,:@(1,/'*#'*'+.(8/'/*7'0(.')";' *#'"-'="%%' :*..7'/(=1')"#B1*;,'-(' -),'%*-,#-'+(#-,."-7' '="%%'1(-'*//'B;(.,' -)*1'-)*-' '-,8#-'1(='6(-)'7(8.';"1/'*1/'-)*-'(0' */7' *.7' ="%%'6,'*-',*#,' E,';8#-'#((1'),*.'(0'6"#'.,-8.1'-(' +"-),*/

D E ' 89

': ' ' 'E $ ('; '" $ 6

C'BE1. (*' 81,' ? ' U'B'

C' .#' (=,3#'V,*%'0(.'-),'2.,*-':*8#,'"1'=)":)'-)"#':(81-.7' "#',12*2,/' */!,/'-('),}'6,:(;"12'*./(8.'0(.'-),'2%(.7'(0'),.' 0*;"%7' ;8#-';*@,')',.'0,,%'="-)'.,/(86%,/'5(7'-),'2%(."(8#'1,=#' 6.(82)-'67' ".' (2,.' 8.-"#'),'"<"%%' ')6+,'6,'#*-"#0",/'1(=' -)*-'E '@ '6**'="-)'-=,1-790"<,'#*"%' (0'-),'%"1,'*--*:@,/' -=,1-79#">'(0'-),',1,;7'-*@,1'#">'*1/'#81@'-=(F' ,#"/,#'"-F' 1(-'";+.(6*6%,'-)*-'#(;,'(0'-),'/"#*6%,/'#)"+#'(0'-),',1,;7';*7' 1(-'6,'*6%,'-(' .,*:)'-),".'(=1'#)(.,' '(=1' ':(8%/'1(-'.,0.*"1' 0.(;',>+.,##"12';7'#,1-";,1-#'(1'-),'(::*#"(1'68-'="%%'1(-'/,-*"1'),.'67'*//"12';(.,

K' # !)'2GL

' +'7,'9 7'/0'A$+,2' /-61/$7'4*+,66,<7,'$+$6$.' .+<7,. 06*--*+?'6*?7'/0'.'#*8/-*/$60,,' .--*#*+?'.' '5*7,.<2 4*7'+/'0,4,-'7.+'6%/0'7,',+,1=06'*+,0/00' 7. ,'67*56'*+'/4' +'7,'K72'7,'*+?2.88/15.+*,<' 7='7,'Q$,,+2'7,'7-,,'=/$+?,6' -*+8,66,62'.+<' -*+8,' -+,62'.0,-4.-<6' *+?'/0' .+/#,-2'5-/8,,<,<' /' /-6G 1/$7' /'</'7/+/$-' /'7*60.#/$-*,' <1*-.' *6'#*6*

I'P ' ."2"1*%
-' "#-,.'-(' (./' (=,' ,,' '<(%'""'+' !
-'BB)"#"#'1(-'A8"-,':(..,:-' (./' (=,':*+-8.,/'#,<,1' .,1:)'%"1,9(096*--%,' #)"+#'(0'=)":)'(1,'-),BM$,12,8.3 U'281#'#*1@'*%;(#-'";;,/"*-,%7
Z *..,=3#"0,'(0'*.%' (=,'+' !

/ 7, .- 0 .?067*5 7, PQ$, + (7.- / ,2 .88/15.+*,< 3=7*6 /00*8,-6 /0 6 . , .+<3= 7, /00*8,-6 /0 7, 0 , , 2 .00/-<,< . 1/6 *+ ,-,6 *+?6*?7 + 7, @$.- ,-0<,8M 7, 5-,6,+ ,< /-< /4, 4* 7 . #. $.3 , <*.1/+<07* ,< 64/-< .+< . ? / < 87.*+2 / 47*87 .1,<. 2 6 -$8M 0/- 7, /88.6*/+2 4.6 6$36,@$,+ = .55,+<,< ' '*- /?,- ($- *62L 4-* ,6 7, .- 0 6,8/+<.$?7 ,- .<= &.-= /4,2 / 7,- 6*6 ,- .<= .1/+2 $-,8,*#,< 7, *+? .+< ,< 7*1 *11,G <*. , = $5/+ <,8M $- . ,+<.+8, /+ 7, Q$, ,+ .+< -*+8,66,6 5-,#,+ ,< &.1. .+< 0-/1 6, ,*+? 7, 0*-6 0 -+, , *+? /0 7, *+? .+< 1=? /-*/$6 0. 7,-2 47*87 .1 / < 4.6 7, 1/6 .00,8 *+? 7*+? 5/66*3 , &= 0. 7,-0 C M+, ,6 -,13 ,< 4* 7 ,1/ */+ 47,+ 7, M*66,< 7, *+?0 7.+<62 47/ 5-,6,+ ,< 7*1 4* 7 . 1/6 1.?+*0*8,+ 64/-< 6, 4* 7 <*.1/+<62 .+< .0 ,-4.-<6 4* 7 .?/ < 87.*+2 / 47*87 *6 / 3, 7$+? .?/ < 1,<. 6 -$8M 0/- 7, /88.6*/+2 47*87 *6 . 6/ ?*#,+ / 7, / 7,- <1*-. 6 .+< (.5 .*+6 47/ 7.#, 8/+ -*3$,< / 7*6 #*8 /-=2 8/+6*<,-,< .6 7, ?E, . ,6 ,#,-e/3 .*+,< /+ 7, 6, . &= 0. 7,- .0 ,-4.-<6 M*66,< 7, Q$, ,+0 7.+<62 .+< 7,+ 7*6 0 .? 4.6 /4,-,<22 .+< 7, -/=. 6 .+<.-< -.*6,< / 7, 1.*+ /50 1.6 0 7, .< .+< 6. $,< 3= 7, 047/ , 0 , , 7, /=. .1* = 7,+ 4,+ *+ / 7, 8.3*+2 .+< .55, .-,< 7.55= 60+< 8/10/- .3 , / 7, 7*?7,6 <,?-, ,2 ?*#*+?$6 . 7/$6.+< 5-//06 /0 7, M*+<,6 *+ ,-,6 3/$ 7-, , /08 /8M 7, = 4,+ / <*++,-2 .0 ,- 47*87 7, *+?2?.#, . /.6 2 <-.+M 3= . . 7, .3 ,2 7, -*+8,66,62 7, -*+8,2 .<= (/$- /4+2 .<= (.-/ *+, F . <,?-.#,2 .<= -.+8,6 /4.-<2 &.1.2 .+< I 1= 0. 7,- 4.* *+?E/+ 7, *+? .+< Q$, ,+2 .+< 7*6 /.6 4.6 5-/+/$+8,< *+ 7, 1/6 6/ ,1+ 1.++,- YP &.= 7,- ?-, <1*-. /+? 8/11.+< 7, PQ$, ,+ (7.- / ,2 .+< 1.=67, /+? 3, .+ ,N.15 , /0$ $-, 0 , , 6 67/- *1, .0 ,- 7*62 7, 47/ , /=. .1* = 4. M,< 7-/$?7 7, 67*50 8/10

I " (2:. R8"-"# 8.- * .% (=,B# %*2 *+-*"1 "1 -%":2., *- 6*--%, (0 -), ". #- (0 81, / ", /*1 / ; ". *% (0 -%", , /"1 (<, ; 6, \L

5.+=2 <-.4+ $5 *+ *+,2 47,+ 1= 0. 7,- / < 7, *+?
. /$<2 7. P 7,*- <* *?,+8, .+< 5-/5-*, = /0 8/+<$8 2*+ .
-,65,8 62 6*+8, 7, #*8 /-=2 4.6 +/ ,66 8/11,+<.3, 7.+
7,*- -,6/ $ */+ .+< 3-.#,-= <$-*+? 7, .8 */+ C / 7*+?2
<$-*+? 7, <.=2 4.6 1/-, 5 ,.6*+? / 1, 7.+ 7*6 4. M
7-/$?7 7,6, 3-.#, 0, /462 ,#,*= /+, /0 47/1 .1
8,- .*+ 4/$ < . ,+< 1= 0. 7,- / . 8.++/+06 1/$ 72 .+<
. /0 47/1 7.#, ,N5/6,< 7,*- *#,6 0/- 7*1 L
+ @$* *+? 7, PQ$,,+ (7.- / ,2C 7, -/=. 5.- =2 4* 7
/-< /4, ,.<*+? 7, 4.= *+ 7*6 3.-?,2 4,-, -/4,< $5
/-61/$ 7 .-3/$- /*+65,8 7, -,+87 5-*>,6 $*C+?
7, 0/$- <.=6 7. 7, *+? .+< Q$,,+ -,1.*+,< . /-6G
1/$ 72 7,= /88$5*,< 1$87 /0 7,*- *1, *+ #*6* *+? 7,
</8M0=.-< .+< 7, 67*56 /0 4.- . ' 5* 7,.<2 .+< /+
'$+<.=2 7, .6 <.= /0 7,*- 6 .=2 . ,+<,< *#*+,
6,-#*8, *+ /-61/$ 7 (7$-87 + 7, &/+<.= 7,=
,13.-M,< /+ 3/.-< 7, P @$* /+C 0-*?. ,2 47*87 8.--*,<
7,1 /' /$ 7.15 /+2 0-/1 47*87 /4+ 7,= 5-/8,,<,<
/ F*+<6/-
2 1.= 3, 1,+ */+,< 7. /+ -,.8 **+? F*+<6/- 7,
Q$,,+ 7.< 7, 1*60/- $+, /0 7,.-*+? /0 7, <,. 7 /0 7,-
3-/7,-2 </57$6 -,<,-*8M $M, /0 &,8M ,+3$-?7
' -, * >2 .-*< 0 -7,-2 7. 2 3,0/-, 7, Q5$- 7.< ?/+, /$
/0 1/$-+*+?2 <*,< 7,- 6*6 ,-2 7, -*+8,66 (7-*6 *+.
7, <,. 7 /0 7, $M, /0 &,8M ,+3$-?7 ' -, * > 8-,. ,<
. #.8.+8= 0/- 7, -<,- /0 7, .- ,-2 47*87 7, *+?2
/+ 7, /+, 7.+<2 4.6 .+N*/$6 /8/+0,- $5/+ /-< /4,2
3$ 47*872 /7*E *+0*+* , .++/=.+8,2 &- * 67/4,< +/
,66 ,.?,-+,66 /3.*+ 0/- 7*6 +,4 . =2 7, $M, /0
/- .+<0 0 &- * 2L 4-* ,6 7, *+? /7*6 1*+*6 ,-
/+ 7, 9 7 /0 A$ =2 8.+ 0*+< 7. . &.-@$*6. , 4/$ <
3, .6 .?-,,.3 , / /-< /4, .6 . .- ,-2 4* 8/+6,+
/* $ 7.#*+? 4* 7 &- * 6 M+/4 ,<?, .8@$.*+ ,<
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7*12 *6*15/66*3 ,2$+ ,66 /-< /4,87//6,6 7,0/-1,
1.-M /0 0.#/$- *+ 5-,0,-,+8, / 7, . ,-2 7. 8.+
5-/5/6,* , ,6*<,62 8.++/ 6,, 47=2 /+ 7, $M, /0
/- .+<06 7,.< 0.#/$-6 .-, / 7,7,.5,< 4*7/$ 1,.G
6$-, L &- * 2 7/4,#,-2 5-/#,< *+,N/-.3 ,2 .+< .88/-<G
*+?= 7, *+? 4.6 8/15, ,< / 6$31* 7, #.8.+
.- ,- 4.6 3,6 /4,< /+ 7, F7*? $M,2 +/- 4.6 * * *
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A$+,2 47/ 7.< 87/6,+ /<,8*+, 7, &.-@$*6. ,2 -,8,*#,<
7, 1/-, 8/#, ,< <*6*+8*/+

/ 7, 8*-8$16 .+8, /0 /-< /4,06 7,. 7 0.* *+? 7*1
+ 7, 4+ ,- /0 9: _OW2 .+< .?.*+ *+ 7, ,+6$*+? 6$11,-2 Ð
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3= ,/-?, 7, 7*-< / 7, +57 , <1*-. Y

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),*./ 0.(; *.% +,1:,.(1 ."/*7 -)*- *.% (=, /(86-# ;8:)
=),-),.)"#),*%-) =(8%/ ,1*6%,)"; #((1 -(5("1 -), 0%,,- #)(8%/ #((1,.)*<,=.(-,-( )";)*/ 1(-),*./ (1:(;"12),., -)*-)"# 0,<,.)*/ .,-8.1,/ 2 -),.,0(.,-)(82)- "- =(8%/)*<,6,,1"; @"1/ *- -)*- -"; , -(6, -.(86%"12)"; *1/ :(1#,A8,1-%7 /,%*7,/ "- -"%% 1(= -)*- -.8#-)"#),*%-) "# ;8:) "; +.(<,/`

C @1(= -((;8:) -), <*%8, (0 *.% (=,3# #,.<":,# -(6, "1:%"1,/ -(:*%% 0(. -), ; , 1- "1:%, ; ,1- #,*#(1? *1/ -),.,0(., * ; /,#".(8# -( )*<, "- 81/,.#-((/ -)*- = "#))(#)(8%/ ., ; *"1 *-) (; , -(.,"1#-*-,)"#),*%-) 0(. -), ; (., 0*<(8. 9 *6%, #,*#(1 *1/ -)*- (1, (0 -), #,1"(. (00": ,.# 81/,.)"# :(; ; *1/ ; *7 2((8- = "-) #8:) #)"+# *# :*1 6, +8- -(#,* -(+.(-,:- -), -.*1#+(.-# *1/ -.*/, 1(= .,*/7 -(+.(:,,/ -(0(,"21 #-*-"(1#? *.% (=, ., ; *"1"12 *-)*1/ 06 2"<,)"# */<":, K*# (::8.., 1:,# ; *7 *."#, *1/ -(.,-8.1 -(-), 0%,,- *# % "*<, #*"/ 6,0(., =),1 -), #,*#(1 ; *7 6, ; (., -, ; +,.*-, +.,## -)"# -), #-.(12,.<

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C . "--:*11(-6,#8.+."#,/*-;76,"12<,.7 ;8:)8.- *-)-,:(1-,1-#(0)"#%,--,. 1/,,/),#,,;#-(,>+,:-"-68- * :,:,.-*"1-%"*-1(-)"12 68--),-)"1@"12"-)"#/8-7:(8%/)*<,"1#-"2*-,/)":-(2"<,;,#(#,<,.,*6%(= *1*1,"-%",.1*#"-8*-"(1(0;"1/1(.0.(;"1:%"1*-"(1"1:%"1,/-(,1-,.;(.,;"18-,%7"1-(,<,.7+*.-(0)"#%,--,.? 68- * :08%%7.,*/7-(*1#=,.-),;*-,."*%+*.-1*;,%7-)*--)(82)%(<"12<,"7;8:);7#(1*1/1(-0(.2,--"12)(=),#*<,/-),,+86%:(0(%%*1/"1 !*1/-)*-)"#,1/,*<(8.#-(6,(0#,.<":,)*<,1,<,.*6*-,/*1/-)*--(-),:(1/8:-(0 8#-."*-),0*"-)%,##1,##(0 .8##"*1/-),:(=*./":,(0-), 8-:)",<,.7 0*"%8.,"# ,*#"%7-(6,*::(81-,/0(.J<"-)(8-%*7"12 6%*;,(1")":=)(/,#,.<,/*6,--,.0*-,, #)*%%:,.-*"1%7 1(=1(--)"1@"-I#*0,0(.)":-(:(1-"18,"1-),:(;;*1/(1-),(1-"1,1-=),1,<,.7(1,#,,;#-(:(1#+".,-(.,1/,.)"#*#"-8*-"(1)*\/*./(8#'67,"-),.+.(+*2*-"12 810(81/,/:(;+%*"1-#*2*"1#-)";'(.2"<"12:.,/"-(-),;

C (1,="%6,%",<,-)*- -*@,-)"#*#-,+68-.,%8:-*1-%7*1/-),;(.,#(#"1:,1(#8::,##(.(0 1(-,"#+.(+(#,/-(-*@,-),:(;;*1/ .8%7 /(1(-#,,=),.,*17(1,"#-(6,0(81/-)*-:*1/,#,.<,-)*-1*;,1(=-),8@,(0.81#="(@)*#/,:%"1,/?*1/**:,:,.-*"1)(="%%08R70,,%-),+.(+.",-7(0-),.,#(%8-"(1),)*#-*@,1=),1),0"1/#-)*-,<,1*#(1(0;"1,:*11(-="-)G#-*1/-%",-(..,1-(0*68#,DI

7, $M,/0)/-M4.6.88/-<*+?=-,8. ,</+? .+<,.--*#,<.-4*87/+7,+<0A.+$.=0/ /4*+?2.+<*+,66 7.+7-,,4,,M6 4.6.<#.+8,</7,-.+M/0*,<0&.-67.2.+<.B*5/*+,</(/11.+<,-0*+0(7*,0/0*6&.B,6=06.+<0/-8,6

7,-,4,-,0,4,#,+62<$-*+?7,-,*?+/0 ,/-?,7, 7*-<2 47*87.00/-<,<?-,.,-6.*60.8*/+2.*M,/7, *+?.+</7*6 6$3B,862 7.+7, .-<=8/+6,+

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C 2.,,*6%,-(=%<"- ; ,1-"(1,/ -(." "-- 6,0(., :* ; ,),.,) *<, -)"# ; (.1"12 #,,1 -), ."1:,(0 E*%,# =)( )*# *:A8*"1-,/ ; , ="-))"#)*<"12 6.(@,1 (00 *%% :(11,:-"(1 ="-% $0.# "-V),.6,.- *1/)"# /,#".,(0 ,1-,."12 "1-(* ; (., :.,/"-*6%,%"1, (0 %"0, 67 ; *..7"12 ,>+.,##"12 *- -), #* ; , -" : , -)*-)"# ="#) "# -)*- ; 7 1",:, -), ."1:,## (0 .81#=":@ ; *7 6, -), +,.#(1 R1/(86-,/%7 #), "# -), +,.#(1 =%"(1*-8.*%%7 ; 8#- 6, ; (#- *2.,,G *6%,-(; , ,>+.,##,/ ; 79*++.(6*-"(1 (0 -), "/,* +.(<"/,/)"# +%*1 =*# -(%,*/ * %"0, -)*- =(8%/ ; *@, %"" ; * ++,*. .,#+,:-*6%, *1/ :(1#,Am,1-%7 .,1/,.-), ."1:,##)*++7 , *##8.,/ ; , -)*-), +,.0,:-%7 :("1:"/,/ ="-) ; ,"1 (+"1"(1 -),1 #*"/ -)*- -"%% *.%"* ; ,1- *##, ; 6%,/ 1(*" *12, ; ,1- :(8%/ 6,9 -*@,1 ,>:,+- ; 7 #(81/"12 ; 7 #"#-,.-)*- 1("/,* (0 *17 (-),. "5x*.."*2, ; *7 6, ,1:(8.*2,/

7, 5,-6/+ 47/ 4.6 6, ,8 ,< / 5-/8,,< / -$+64*8M / <,1.+< 7, 7.+< /0 7, -*+8,66 (.-/ *+, 0/- 7, *,*- /0 +? .+<2 4.6 7, .88/15*67,< <*5 /1.*6 2 A.1,6 .-* /0 &. 1,63$-=2 0-/1 47/6, <*.-*,6 4, ,.-+ 7.E 7, .--*#,< . 7, (/$- /0 -$+64*8M /+ 7$-6<.=2 *, 7 /0 /#,13,-2 9: _2.+< 7. /+ 7, 6.1, <.= 7, 4.6 *+ -/<$8,< / 7, 0$ $-, Q$,,+ /0 +? .+<2 7,+ *+ 7, 4,+ =06,#,+ 7 =,.- /0 7,- .?, 7, -*+8,66 (.-/ *+,2L 7, 4-* ,62 1$87 ,13.--.66,< . 1= 0*-6 3,*+?5-,6,+ ,< / 7,-I 5-, = 0.8,I +/ ,N5-,66*#, /0 6/0 +,66 I 7,- 0*?$-, +/ ?-.8,0$ I 0*+, ,=,62 ?//< 7.+<2 / ,-.3 , ,, 72 3$?/*+?I 0.*- 7.*- .+< *?7 ,=,3-/46I ?//< 3$6 I 67/-2 4* 7 47. 7, -,+87 8. M6 N0& 7 #.6 = 7.55= 4* 7 7,- 0$ $-, ,N5,8 . */+6 L 0 F7. ,#,- 1.= 7.#, 3,,+ 7, 8.$6,6 /0 7, 5-/8-.6 *+. */+2 7, .*=*#. /0

I * .% -*1)(+,3# "0, (0 "-- <(% "" +>> ++,1/"> - (./ *% ; ,#68.73# "*.",# <(% """ ++ U U

7, -*+8,66*+ +? .+<4.6<, .=,<* 7,; 7/0 5-*2 /+ 7,,#,+*+?/0 47*87<.=7,-1.--*.?,4*7 7, -*+8, 4.66/ ,1+*6,<4*7 8/+6*<,-.3 ,65 ,+</$-*+ 7, (7.5, /=. . ' A.1,600 . .8,2 7, *+?? ?*#*+? .4.= 7, 3-*<, .+< 7, -873*67/5 /0 (.+ ,-3$-=5,-0/-1*+? 7, +$5*. 8,-,1/+= /-<&.1,63$-=2 47/4.65-,6,+2 *+8*<,+ . =1,+*/+6 7, -*+8, <, *#,-*+? 7*6 7.2 47*87 4.6/-+.1,+ ,<4*7 . -*87 <*.1/+<3$ /+ .+< //52 / /-< .-8/$- / 7/ <2 .+<2 .0 ,5 7, 8,-,1/+=2 <,6**C*+? 7*6 /-<67*5 / -, .*+ * .6 . 1.--*.?,0?*0 88/-<*+? / /-<&.1,63$-=00 0$- 7,-.88/$+2 7, -*+8, +/ /+ =5 7.<,#,-=5.55,.-.+8, /0 3,*+? $+7.55=2 3$ 7.<1.+*G 0,6 =7.<-,8/$-6, / 4*+, /-65*-* 62L *+ /-<,- / M,,5 $5 7*6 8/$-.?,

4.6 +/ /+? .0 ,- 7*6 5,-*/<2 7. 7, ?,+,-. <*60 L *+8 *+. */+ / I 7,-$*+/$6 4.- 47*87 4.6 3,*+? 4.?,<4*7 -.+8,2 8/13*+,<4*7 . 68.-8*=/0 0//< 47*87 .1/$+ ,< .1/6 / .0.1*+,2 +/ / /+ =/88.6*/+,<6,-*/$6 <*68/+ ,+ .+<0/-1*<.3 , <*6/-<,-6 *+ <*00,-,+ 5.-6/0 7, M*+?</12 3$,< / 4/6,5.-. , 8/4.-<=. .8M6 3,*+? 1.<, /+ 7,5,-6/+ /0 7, 6/#,-,*?+ 7, 0*-6 /0 7,6, /$-.?,6 /88$--,< /+ 7, 7 /0 8/3,-2 9: W2 7, <.=/+ 47*87 7, *+? 5-/8,,<,<*+ 6 . , / F,6 1*+6 ,- 0/- 7, 5$-G 5/6, /0 /5,+*+? .-*.1,+ =7/6, 47/6, 1,1/-*,6 8.--*,< 7,1 3.8M 1.+==,.-62 * 4.6-,1.-M,< 7. +,#,-2 6*+8, 7, 8/-/+. */+20 7.<<,+6,- 8-/4<6 .66,13 ,<*+ ' A.1,600 .-M 3, 4,,+ $8M*+?7.1 /$6, .+< 7, /-6, $.-<62 .+<3, 4,,+ 7, /-6, $.-<6 .+< 7,5-,8*+8 6/0 7, /$6,6/0 .-*.1,+ 7,5,/5 ,2 //2 4,-, ,#*<,+ =5-,5.-,<0/- 1*687*,0 7, $M, /0 /$8,6 ,-2 7, $M, /0 /- .+<2 .+< 7, .- /0 (7.7.12 4,-, -,8,*#,<4*7 ?-/.+6 .+<7*66,62 47*87 4,-, -,</$3 ,<47,+ 7,8$13-/$6 ?* 6 . ,8/.872 8/+ .*+*+?2 7, *+? .+< 7, .-6/0 F,6 G 1/-, .+< .+< +6 /42 1.<, *6 .55,.-.+8, *+ 7, .-M

$ -.?,/$6 .6 7.< 3,,+ 7,'8/+<$8 /0 7,'1/7 <$-*+? 7,' *+?06 5-/?-,66 /' F,6 1*+6 ,-2 6 * ' 4/-6,' 4.6 7,' 6 . ,' /0.00.*-6 /+' 7*6 -, $-+2 1/-,',65,8*. =' *+' ' 'A.1,600 .-M' ' 7,'68,+,'/5,+,<2L' 4-* ,6 /-< +6 /42 '.+< 7,' *+6$ *+?.3$6,'/ ,-,< /' *6 &.B,6 =' 4.6 47. ' '8.+' +,#,-' 7*+M /03$ ' 4* 7 7/--/-2 +/-' ,#,-' 0/-?,' 47. ' '0, ' 47,+' 7,=' 5-/8,,<,< /' 7-/4' 6 /+,6 *+ /' 7,' 8/.872 6,#,-. ' /0 47*87 7* ' 7,' *+?2 47*87 7,' 3/-,' 4* 7 6*?+. ' 5. *,+8,2 3$ ' +/ ' 4* 7/$ ' 6,+6*3 ,' 1.-M6 /0 *+<*?+. */+' .+< -,6,+ G 1,+' . ' 7,' *+<*?+* *,6 /00,-,< /' 7*6 5,-6/+' .+< /0 '8,' 7,'?.66,6 4,-,'. ' 3-/M,+' /' 5*,8,62 .+< *+' /*6 6* $. */+' 4,'4,-,'<$-*+?/$-' 5.66.?,' 7-/$?7 7,' .-M ' 7,' *+?' //M /+,' /0 7,'6 /+,6 /$ ' /0 7,'8$00 /0 7*6 8/.2 47,-,'* ' 7.< /<?,<2 .+< ?.#,' * ' /' 1,2 6.=*+?YP ' 1.M,'=/+' .' 5-,6,+' /0 7*62 .6 .' 1.-M /0 7,'8*#* * *,6 4,'7.#,' 1,' 4* 7 /+' /$-'B/$-+,=' /0<.=C L' ' /+,' *1,2 7,'-.33 ,'5-,66,< 6/ 8 /6, =' .+< <,0*.+ =' -/$+< 7,'8/.872 7. ' 7,' *+?' 4.6 0/-8,< /' 4.#,' 7*6 7.+<6 /' 7,' /-6,' 0$.-<6 /' M,,5 7,' 1$ * $<,' . ' .' ?-,. ,-' <*6 .+8,' 36,-#*+?' /+,' /0 7,' 6/ <*,-6 /+' 7,'5/*+' /0 8$ *+?' </4+' .+' *++/8,+' 5,-6/+2 7,' *+?'8. ,< /$ ' /' 7*1' 7. ' 7,'4.6 1*6 .M,+2 .+< 7$6 6.#,< 7,'5,-6/+06 *0,

-/1' 7,6,' <*6/-<,-6 * ' 1*?7 ' -,.6/+.3 =' 3,' *+0,--,< 7. ' 7,' *+?06 5/5$.-* =' 7.< 5.66,< .4.=2 3$ ' 6$87 4.6 +/ ' 7,'8.6,' *6 .66.* .+ 6 /+' 7,' 7 /0 8 /3,-2 .6 4,' ,.-+' 0-/1' /-< +6 /42 4,-,' '. ' /0 7,'4/-6 '.+< /4,6 ' 6/-2L' 47,-,.6 7,' 1.66 /0 7,'1*<< ,' .+< 7*?7,-' 8 .66,6 .55,.-' /' 7.#,' -,?.-<,< 7++' 4* 7 7,'6.1,' .00,8 */+' .+< -,#,-,+8,' .6 ,#,-' RF7,+2 /+' 7,' 0/ /4*+?' +*?7 2 7,' . ,+<,< 7,'5,-0/-1.+8,6 *+' (/#,+' .-<,+' 7,. -,'4* 7 7,' Q$,,+' .+< -*+8,66,62 +/ ' /+ =' 4.6 7*6 .55,.-.+8,' ?-,, ,< 4* 7 .' 3$-6 ' /0 ,+ 7$6*.6 *8 8/+?-. $. */+2 3$

[,--,.' 0.(;' ,(.2,' 0".#-' *.% (0 1#%(=' /*-,/' :-(6,.' ' L' -=,%<,' 1-' 1"2)-' "1' O ' ' < ' 4' ? ' "/' <(%' "" ' ++' LU9 L ' ,,' *%#(' : ' L ' 0(.' L' ++' ! ' ! ' *.-' ' (./' E,#-;(.,%*1/' =*# 1-' -)"# -";' *#-,.' (0-),' (.#,'-('-),' "12' *1/' (./' 1#%(=' (1,' (0R"# (./# (0-%"+' :/:%881)(.' $

<$-*+?' *,' ,#,+*+?' ' /< 6.#,' 7,' *+?'L' 4.6' *-,,' *1,6' 8. ,< 0/-' 3=' 7,' .$<*,+8,' 88.6*/+. =2' *+<,,<2' 0.' 7*66' 5-/8,,<,< 0-/1' 6/1,' -,1/ ,' 8/-+,-' /0' 7,' 7/$6,'I 7$' 7,' /00,+<,-' 4.6' 65,,<* =' ,B,8 ,<2

9:K' 7,' / 7,-' . .8M' 47*87' .3/$' 7*6' *1,' 4.6' 1.<,' /+' 7,' *+?06' 5,-6/+2' /88$--,<*+' . ' &. ' /+' 7,' +*?7' /0' 7,' 96' /0' ,3-$.-=2' /+' 7*6' -, $-+' /' $8M*+?7.1' /$6,' 0-/1' -$-=' .+,' 7,. -,2' A$62' .6' 7,' 8.--*.?,2'*+' 47*87' 7,' *+?' .+<' Q$,,+' 4,-,' 6,. ,<2' -,.87,< 7,' 8/-+,-' /0' A/7+0' 6 -,, 2' .' 6 /+,' 4.6' 7$- ,< 7-/$?7' /+,' /0' 7,' ? .6604*+</46Z' 47*872.0 ,-' 7.#*+?' 6 -$8M' 7,' Q$,,+' *+' 7,' 87,,M2' 0, ' *+ /' 7,' .5' /0' 7,' .<=' /0' 7,' ,<87.13,-' *+' F.* *+?2' 7,' (/$+ ,66' /0' .--*+? /+' '-,'4.-< /0' .' 7/$6.+< 5/$+<6' 4.6' /00,-,< 0/-' 7,' <*68/#,-=' /0' 7,' 1*68-,.+' 47/' 8/1G 1* ,< 7,' /$-.?,2' 3$' /' +/' 5$-5/6,' ' 1.=' 3,' 1,+G */+,< 7.' .' 7*6' 5,-*/< 6/' 6 -/+?' 4.6' 7,' 0,, *+?' /0' <*68/+ ,+' .1/+?' 7,' /4,-' /-<,-6' /0' 6/8*, =2' .+< 6/' 7-,. G ,+*+?' 4.6' 7,*-' . * $<,2' 7.' 7,' *+?' 1 -,' 7.+' / +8,' / < /-< </+' 7.' 7,' 8/+6*<,-,< *' +/' *15-/3.3 ,' 7.' 7,' 67/$ < 3,' 7,' .6' *+?' /0' +? .+< 0

+' 7,' : 7' /0' A.+$.-=2' 9:K2' +*+,' 8. ,+<.-' 1/+ 762' 4.+ *+?' /+,' <.=2' 0-/1' 7,' <. ,' /0' 7,' 1.--*.?,' /0' 7,' -*+8,' .+< -*+8,66' /0' F. ,62' 7,' -*+8,66' ?.#,' P3*- 7' . ' (.- /+' /$6,' /' .' <.$?7 ,-2' 47/2' 0/$-' <.=6' .0 ,-G 4.-<62' 4.6' 87-*6 ,+,< 3=' 7,' +.1,6' /0' (7.*</ ,' (.-/ *+.' $?$6 .' I 7,' -873*67/5' /0' (.+ ,-3$-=' 5,-0/-1*+?' 7,' 8,-,1/+=2' .+<' 7,' *+?2' 7,' Q$,,+2' .+<' 7,' *+0.+ 06' ?-.+<G 1/7,-2' 7,' $87,66' /0' -$+64*8M2' 3,*+?' * 6' 65/+6/-6' ' 7.< 3,,+' 7,' 7/5,' /0' 7,' 4, ' 4*67,-6' /' 7,' /=.' .1* =2' 7.' 6/' P5-/5* */$6' .+',#,+' .6' 7,' 3*- 7' /0' .' 87* < 1*?7' 5$' .+' ,+<' /' 7,' $+7.55=' <*00,-,+8,6' 47*87' ,N*6 ,< 3, 4,,+' * 65.-,+ 6' +6 ,.<2' 7/4,#,-2' /0' * 6' 3,*+?' . ,+<,< 3=' 7*6' <,6*-.3 ,' -,6$ 2' 68.-8, =' 7-,' P1/+ 76' , .56,< 3,0/-,' 7,

-/=. '8/$5 ,' 7.< 5.- ,< 0-/1' ,.87 / 7,-2 +,#,-' .?.*+' / ' 1,, ' /+' ,++6 /0 6/8*. 2 .+< 1$87 ,66 8/++$3*. ' M*+< *G +,66' +' 7*6 /88.6*/+' 7E -*+8,66 -, *-,< 4* 7 7,-' *+0.+ ' /' .'#* . '*+' 7,'0.*-'## .?,' / '(7.- /+2 +,.-' .8M7,. 72 47* ,' 7,' -*+8,' /6' +/' *1,' *+' -, $-+*+?' /' 7*6 0/-1,-' . ,?*.+8,' /' &-6' * >7,-3,-

+' 7,m6$1 1,-' /0 7*6 =, .-' 4,'0*+< 7,' *+?' . ,+<*+?' *,' /+' &/+ ,12 .+<2 .6 4.6 6.' 4* 7 7*1' /+' 6$87 ?. .0<.=62 7*?7 =' ,+B/=*+?' 7,' 65,8 .8 ,' /0 7.55=' 0.8,6 .+< ?.=' 8/6 $1,6 5.-.<*+?'C5.6' 7*122 .+< 7/-/$?7 =' *<,+ *0=*+?' 7*16, 0 4* 7 7,' *1,07/+/$-,< .1$6,1,+ 6 .+< 8,-,1/+*. 6 /0 7,' <.=' +' 7,' ,#,1G+?2 .' **6 M*+< .+< ,N5-,66 -,@$,6 2 7,' /+' 7/=62 *+' 7,*-' 1.+=0 8/ /$-,< <-,66,62 4,-,' . /4,< /' 5-,6,+' 7,16, #,6 /+' 7,' ,--.8,' .' F*+<6/-I 7$6 ,6 .3 *67*+?' .' 5 ,.6*+?' 5-,G 8,<,+' 47*87 ?-,4' *+ /' .' 8$6 /1' 7.' .6 ,<2 4,'3, *,#,2 * ' 7,' .3/ * */+' /0 7,' .+8*,+' .+<*+ ,-,6 *+?' 5.?,.+ ,/-?,' *,' 7*-<2 .6 4,'7.#,' . -,.<=' /36,-#,<2 6, </1' 67/4,< 7*16, 0 /' ?-,. ,-' .<#.+ .?,' 7.+' 47,+2 4* 7' 7,' *B$,,+' ,.+*+?' /+' 7*6 .-1' .+< 7,*-' 7.+<6/1,'0.1* =' 0/G /4*+?' 7,12 7,'4.6 /' 3,'6,,+2 /+' .'0*+,'6$11,-' ,#,+*+?2 5-/1,+.<*+?' 7,' +/3,' ,--.8,' .' F*+<6/-2 ,N87.+?*+?' 0.1* *.-' 6*?+6 /0-,8/?+* */+' 4* 7' /+,' 5,-6/+2 /-' 6 /55*+?' /' *+@$*-,' .0 ,-' 7,'7,. 7 .+< 4, 0.-,' /0 .+/ 7,-2 * ' 4.6 /+' /+,' /0 7,6,0/88.6*/+6 7.' &*66 $-+,=2 +/4' &.<.1,' C -3 .=2 /+8,' 1/-,' 0/$+< 7,-6, 0 8/+#,-6*+?' 4* 7' 7,-' 6/#,-,*?+' .+< 0/-1,-' M*+< .+< *+<$?,+' 1.6 ,-' ' 4.6 7,-' 4*672 67,' , 6 $62 /' <*65 .=' /' 7,-' 0/-,*?+' 7$63.+< 7,' 65,8 .8 ,' /0 .' 8/+6 * $ */+.' ' /#,-,*?+' 4. M*+?' 0,.- ,66 =' .+<0.1* *.- =' .1/+?' 7*6 6$3B,8 62 47* ,' 7,'8-/4+6 /0 / 7,-' $-/5,.+' 1/+.-876 4,-,' / ,-*+?' /+' 7,*-' 7,.<6 +/-2 5,-7.562 4.6 67,' 4* 7/$' 7,' +. $-.' <,6*-,' /0 -.*6*+?' 7,-6, 0 *+' 7,',6 *1. */+' /0 &' C -3 .=' 3=' 67/4*+?' 7*1

I' 8."(8#7',1(82)'-)"#)(8#,')*/'0(.;,.7'6:(8'-),'.(#"/(1:(' (0'-),' ."1:,##B# ."<*' .#' "-V),.6(.-' 7#(13#" ' C'* '<(' "'+'U!U

7,' 0-*,+< =' 0// *+?' /+' 47*87' 67,' 6 //<' 4* 7' 7,' /=.' .1* =' +' 7,'5-,6,+' /88.6*/+' /0'7,-'#*6* *+?' F*+<6/-2' . 7/$?7' *' 4.6' 7,' 1/+ 7' /0'A* =2' 7,'.0 ,-+//+' 7.55,+,<' /' 3,' 8/ <' .+<' -.42' .+<' .88/-<*+?E2' /+' 7,-' -,.87*+?' 7,' ,--.8,' 4* 7' 7,-' 7$63.+<2' 67,' 0/$+<' 7.2' /4*+?' /' 7,' *+?' +/' 7.#*+?' 1.<,' 7*6' .55,.-.+8,2' 7,' 8/15.+=' 4,-,' /+' 7,' 5/*+' /0'<*65,-6*+?2' .+<' 7,' 1$6*8*.+6' 5-,5.-*+?' /' -, -,.' 4* 7' 7,*-' *+6 -$1,+ 6' -,6,+ =2' 7/4,#,-2' *' 3,?.+' /' 3,'3$>>,<.1/+?' 7,' 8-/4<' 7.' 7,'-/=.' 5.-=' 4,-,' .55-/.87*+?2' /+' 47*87' 7,' 7/-+6' .+<' 8.-*/+6' 4,-,' 7.6 * =' 6$11/+,< 3.8M2' .+<' *+' <$,' *1,' 7,' *+?' .+<' 7,'6*N' -*+8,66,6' .55,.-,<' *+' 6*?7

7,' *+?' 4.6' . ,+<,<' 3=' 7,' $M,' /0')/-M2' 7,' /-<6' ,.$*,$' .+<' F. 6*+?7.12' .+<' 0,+,-.' .-8/$-' .<=' (*.-/ ,' -$8,' .+<' &*66' / <64/-7=' 4,-,' *+' 4.* *+?' /+' 7,' -*+8,66,6' ' 7,' *+?2L' 4-* ,6' &.<.1,' C -3 .=2' '6/55,<' /' 65,.M' /' 7,' *67/5' /0' /-4*87' '.+<' 6/1,' /7,-6' .' 7,' ,+ -.+8,2' .+<' 7,+' 4.M,<' /+' /4.-<6' $6' 47/' 4,-,' .' 7,' 0$-7,-' ,+<' :' 7,' .5G 5-/.87,<2' 7,' -*+8,66' /=.'6.*<2' /$<',+/$?7' /' 3,'7,.-<' 3=' &-6' *67,-YP &.<.1,' C -3 .=2' 6*-C +6 .+ =' 7,' 8.1,' /+' .'6 ,52' .+<' 7,+' 6/55,<' .+<' .<<-,66,<' 1,2' .+<2' .0 ,-' .' 4/-<' /-' 4/' /0' 7,' 4,. 7,-2' 6.*<YP 6' 7.' &' C 03 .='SC' .+<' 1/6'?-.8*/$6 ='3/4,<' /'7*1' .+<',+ ,-,<' *+ /'.' * ,'8/+#,-6. */+2<,1.+<*+?'7/4' /+?'7,'7.<3,,+' *+' +? .+<2'7/4' /+?'*+' 7,'8/$+ -='S U82' 4* 7' .'64,, G +,662' .+' .*-' /0'4*67*+?' $6' 4, 2' *.' 4* ' +,#,-2' +,#,-' 3,' ,-.6,<0-/1' /$-' 7,.-6L' 7,' *+?' 7,+' 5.66,<' /+' 4* 7' 7,' $M,' /0')/-M2' ,.#*+?' 7,' -*+8,66,6' /'8/+#,-6,'0/-' .' 0,4' 1/1,+6' 4* 7' 7,*-' /<.8@$.*+ .+8,' &.<.1,' C -3 .=2' * ' 67/$<3,' /36,-#,<2' 7.<B$6' 5$3*67,<7,-' 7*-<' +/#,2P (.1* .2C 47*87' 7,' Q$,,+2<,5.-*+?'0-/1' .' ?,+,-.' -$,' 47*87' 67,' 7.<' .*<</4+' *+' -,?.-<' /' 4/-M6' /0'0*8*/+2' 7.<' 5,-1* ,<' 7,-' <.$?7 ,-6' /' -,.<2' 4* 7/$' 7.#*+?' *+' 7,' 0*-6' *+6 .+8,' 5,-$6,<' * ' 7,-6,0' ' ' 7.#,

F ' L X ' ' ' ' '

?/ ' ,.#,'9L' 4,-,' 7,' 0*-6 ' B/=/$6' 4/-<6' /0' 7,' -*+8,66'
*>.3, 7' /' 7,'<, *?7 ,<' .$ 7/-,66' ' &.11.' 6.=6'67,'
4* ' +/ ' 4.*' /' -,E<' *' 0*-6 L' ' 0 ,-' 7*62L' 8/+ *+$,6'
&.<.1,' C -3 .=2' 7,' *+?' .+<' $M,' +,#,-' 5.66,<'
4* 7/$' .M*+?' /00' 7,*-' 7. 62' .+<' 7,' -*+8,66,6' ?.#,'
1,' .' 61*,' .+<' .' 8$- 6=' .' ,#,-=' $-+ L' +' 7,' 8/$-6,'
/0' 7,' .0 ,-+//+2' 7,' Q$,,+' .<1* ,<' 7,-' 0/-1,-' 6,-#.+'
/' .+' *+ ,-#*,42' .' 47*87' 7,' $M,' /0') /-M' 4.6' 5-,6,+ 2'
.+<2' <$-*+?' .' 5.-' /0' 7,' *1,2' 7,' *+?2' 47/' 4.6' *+'
7*?7' ?//< 7$1/$-2' .+<' 47/' 8/15 , ,<' 7,' 6. *60.8 */+' /0'
&.<.1,' C -7 .=' 3=' <*-,8 *+?' 1$87' /0' 7,' 8/+#,-6. */+'
/' 7,' 6$3B,8' /0' 7,-' +,4' +/#, ' ' ,' . M,<2L' 67,' 4-* ,62'
' 1$87' $5/+' 7,' 3//M2' .+<' 7,+' /0' &-6' , .+=2' .+<'
7,+' /0' #.-*/$6' / 7,-6' 7.' 1=' 6*?7' 3-/$?7' /' 7*6'
-,8/ ,8*/+2' .+<' .' 4* 7' .' 0-,,</1' .+<' ?//<+,66' *.'
,+.3 ,<' 1,' /' .+64,-' 4* 7/$' <*00*8$ =' /-' ,13.--.661,+ 2'
.+<' 7.' 5-/<$8,<' 4/' /-' 7-,,' 7,.- =' .$?76' 0-/1' 7,'
$M,' /0') /-M L' &.<.1,' -3 .=' 1,+ */+62' .6' -.* 6'
/0' M*+<' =' 8/15 .*6.+8,' /+' 7,' 5.-' /0' 7,' =/$+?' -*+G
8,66,62' 7.' /+' 7,' *+?' .+<' Q$,,+' @$* *+?' 7,' .5.- G
1,+ 2' 7,' -*+8,66' 1, *.' *+?,-,<' 3,7*+<' /' 67.M,' 7.+<6'
4* 7' 7,-2' .+<' 7.' 7,' -*+8,66' $?$6 .' 6$36,@$,+ ='
'-, $-+,<' /' 7,' .5.- 1,+' 0/-' 7,' 6.1,+1*.3 ,' 5$-5/6, '
+' 7,' 9; 7' /0' &.=2' 9: :2' 7,' 1.--*.?,' /0' 7,' -*+8,66'
/=.' 4* 7' -,<,-*8M' (7.- ,6' F* *.12' 7,-,<* .-=' -*+8,2'
.+<' .0 ,-4.-<6' *+?' /0' F$- ,13,-?20/-' 7,' 0*-6' *1,' <,G
5-*#,<' 7,' *+?' /0' 7,' 6/8*, =' /0' /+,' /0' 7*6' <,.- =03, /#,<'
<.$?7 ,-6' 7,' 8,-,1/+=' 4.6' 5,-0/-1,<' *+' 7,' (7.5,'
/=.2' ' A.1,6062' 3=' 7,' -873*67/5' /0' (.+ ,-3$-=2' 7,

I' %*/*-1,' 3 .6%*73#' "*.7' *1/' ,--,.#'<(%'<"'++' 9 U' 1,'(0'-),'A8,#-"(1#
+8-'67'-),' "12'-(' */*;,' 3 .6%*7'=*#(#-('-),'#7#-,;')=)":)'#),'+8.#8,/'"1':(.G
.,:-"12'-),'+.((09#),,-#(0'),'=(.@#' 1'),.'"1-";*-"12'-)*-'1('(1,':(..,:-,/'-),;'
68-'),.#,%04C'E%"7'D'),',.;*.@,/'="-)';8:)'#).,=/1,##'C#(;'*8-)(.#)*<,'-(%/';('
-)*-'-),7'*.,'-),'%*#-'-('/('-)*-'=(.@'0(.'-%",;#,%<(#'),7'@1(='#('=,%%'67'),*.-'
=)*-' 3 '-('6,'-)*-'-),7'.81'(1'="-)(8-'#,,"12'=)*-' ' %J,7')*<,'-(%/';(5
6,#"/,#'-)*-'*';,.,'+%(//"12'),*/'"*6,#-'*1/'#8.,#-'0(.'-)*-'=(.@'*1/'-)*-'-),'
%"<,%",.'-),'";*2"1*-"(1'-),'%,##"-')(8%/'6('-.8#-,/'-(D4#('<(%'<"'+'L

+?C?#*+?' .4.=' 7,' 7-*<,' +' 7,' 6.1,' <.=' .++.7' &/-,' 4-* ,6' /' 7,-'6*6 ,-' &.-7.EY ' ' .1' B$6 '8/1,' 0-/1' . ,+<*+?' 7,' -/=.' +$5 *. 6' .' ' 'A*.1,66' ' 4.62' *+G <,,<2.' 1/6' E$?$62'65, E8 ,' 7,' -/=.' 3-*<,' 3,7.#,<' 4*7' ?-,.' 0,, *+?' .+<' 1/<,6 =' 7,' -*+8,' /0' F$-G ,13,-?' 7.<' .6/' .' #,-=' 3,8/1*+?' 6/ ,1+* =' *+2' 7*6' 3,7.#*/$-' E 7,' *+?' .+<' Q$,,+' 4,52' 7$' //M' ?-,.' 5.*+6' /' -,6 -.*+' 7,16, #,6' ' 0/-?/' /' 6.=' 7,' *+?' ?.#,' 7*6' <.$?7 ,-' .4.=2' .+<' *' 4.6' -,. =' .00,8 *+?' 7,' -873*67/5' -,.<' 7,' 6,-#*8,' 4*7' ?-,.' ,157.6*6' .+<' 6/ ,1+* =' 7,' +,465.5,-6' 4*' 7.#,' <,68-*3,<' .' 7,' 8-.5,2' .+<' 7,' 0/*62' .+<' 7,' 0,. 7,-62' .+<' 7,' <*.1/+<62' U8' F,' 4,-,' 0/$-'7/$-6'*+'87.5, L

7,' -*+8,66' <,6,-#,<' .' 7,' .00,8*/+' 4*7' 47*87' 67,' 4.6' -,?.-<,<' 3=' 7,-'0.1* =2' .+<' ,65,8*. =' 3=' 7,-'0. 7,-' /' /+ =' 4.6' 7,' <,,5 =' .00,8 ,<' <$-*+?' 7,' 1.--*.?,' 8,-,1/+=' $' .' 7,*-'0*+.' ,.#,0 .M*+?2' /+' 7,-' <,5.- $-,' 0/-' .' 0/-,*?+' .+<2' 7*6' .?* .*/+' *6' 6.*<' /' 7.#,' 3,,+' 5.*+0$' /' 4*+,66') /$-' //M62L' 7,' /$87*+? =' 4-/ ,' /' 7,-' /+' 7,' 0/ /4*+?' <.=2' 5.*+ ,<' 1/-,' 6 -/+? =' =/$-' .00,8*/+' /' 1,' .6' +*?7' 7.+' .+=' 0/-1' /0' 4/-<6' 8/$<' 7.#,' 8/+#,=,<I' 7,-,0/-,' =/$-' , ,-' /0' 7*6' 1/-+*+?2' 7/$?7' *' 7.6' ?*#,+' 1,' 1$87' 5 ,.6$-,2' 7.6 +/' 6$-5-*6,<0' 1,' &.=' ,.#,+' 3,6 /4' *6' 87/*8,6E' 3 ,66*+?6' /+' =/$2' .+<' ,#,-' 3, *,#,' 7.' 1=' .00,8*/+6' 4*' . 4.=6' 3,' /0' 7,' ,+<,-,6' M*+<2' .6' .1' 8,- .*+' =/$-' 8/+<$8' 4*' . 4.=6' B$6 *0=' 1=' /5*+*/+' /0' =/$ L0

I' , ; (".# (0' *11*)' (.,'<(%&"""'+' U'!./',/"-"(1' 0' H8*.-,.%7' ,<",='<(%':<'+'U U

' * ' ' ' ' '

(' "7

.,*-' 1*<*%' SE,-(.",# 2* ; ,/' 67' (./# -' $"1:,1-' *1/') ; ,*1' 4' 86%":')*1@#G
2"<"12' "1' -' *8%3# *-6,/.(%' 4'),' "12' *-' E,7 ; (8-)' "1' ' *1/' ' 4
),' "12' *1/' (,-(.# 8.1,7' *1/' ,.#:),%' 4' ,*-)' (0' *.%' (=,4 8.-%":.'
00,:-"(1-,'%,--,.# 0.(;'-),' "12'-('-),' (=,80* ; "%7' 4'),' "#)(+'(0' -' *<"/3#
-),' "123# +,.#(1*% 1(;"1,,' -(' -),' ." ; *:7' (0' .,%*1/ 4),' "123# 1*..(='
,#:*+,' 0.(;' *' ; 8#@,-96*%% "1' 7/,' *.@' 4')(-' *-' 67' */0",%/' 4' 1'0*<(8.' (0'
SR1"(1' ="-)' .,%*1/ 4 "#-.,##,/' *-' "--3# +.(5,:-,/' *-)(%":' ; *1:"+*-"(1' "%%'
4' "--3#' .,#"21*-"(1' 4' //"12-(1' 6,:(; ,# ., ; ",.

' 7,' 1/+ 7' (0' ,3-$.-=2' ' 7,' <.-M' .65,8' /0' 5$3 *8'
.00.*-6' 4.6' .' ,+? 7' 87,,-,<' 3=' 7,' ?-,.' +.#.' #*8 /-='
47*87' 7,' 6M*' /0' '*-' A/7+' A,-#*62' .+<' 7,' #. /$-' /0'
, 6/+2' ,+.3 ,<' 7,1' /' /3 .*+' /#,-' 7,' '5.+*.-<6' /00'
(.5,' ' ' "*+8,+ ' 7,' -* *67' 0 ,,' /+' 7.' /88.6*/+' 8/+0' E,3$'
6*6 ,<' /+ =' /0' 0*0 ,,+' 6.*' /0' 7,' *+,2 47* ,' 7.' /0' '5.*+'
+$13,-,<' +/' 0,4,-' 7.+' 4,+ =06,#,+2' *+8 $<*+?' 6*M' /0'
' ?$+6' .+<' /+,' /0' ! ' ?$+62' 7,' 8, ,3-. ,<' P'.+ *60'
6*1.' -*+*<.<. C /-' 7*6' ?-,.' .87*,#,1,+' '*-' A/7+'
A,-#*6' 4.6' 8-,. ,<' .-' ' ' "*+8,+ 2' .+<' .4.-<,<' .' 5,+G
6*/+' /0' ! h' .' =,.-2 47* ,' , 6/+' 7.<' /' 7,' 8/+ ,+' 4* 7'
.+' ,15 =2' 5* *0$' M+*?7 7//<

7*6' 6$88,66' 4.6' 0/ /4,<' 3=' .+/ 7,-' *15/- .+' +.#.'
#*8 /-=2' 47*87' //M' 5 .8,' /+' 7,' 99 7' /0' 8 /3,-2' 47,+'
' 7,' -* *67' 0 ,,2' $+<,-' <1*-.' $+8.+2' ,+8/$+ ,-,<' /00'
(.15,-8 /4+' 7,' $ 87' 0 ,,' 8/1 1.+<,<' 3=' <1*-.' ,'
F*+ ,-f 7,' -,6$' 3,*+?' 7.2' .0 ,-' .' 7.-<00/$?7' .8 */+2'
,*?7' /0' 7,' ,+,1=06' 67*56' /0' 7,' *+,2 *+8 $<*+?' 7,' 0 .?0

67*56 /0 7, $ 87 <1*-. . .+< "*8,0 <1*-. 2 .+< 0/$-
0-*?. ,62 4,-,8.5 $-,<2 .+< 7. 7-,, *+,0/003. , 67*56
/+ = 7.< 7,?//< 0/- $+, /,68.Ve 7,#. /$- /0
7, .#=2L 4-* ,6 7, *+?/ *67/5 $-< /+ 7,
9 7 /0 8/3,-2 +,#,- 67/+, 1/-, 7.+ *+ 7, . ,
? /-*/$6 .8*/+ /00 (.15,-</4+2 /+ 7, $ 87 8/.62 .+<
-$6 * 6 ,00,8 6 4* -,+<,- /$- ,+,1*,6 1/-, 7$13 ,2
.+< 7. 47* , 1= 6$3B,8 6 5-.*6, 7, 8/+<$8 /0 7,
/00*8,-6 .+< 6.*/-62 7. 7,= 4* -, $-+ 7.+862 47,-,
1/6 <$,2 / 7, 1*?7 =0E 47/ 7.6 8-/4+,< 7,*- ,+<,.G
#/$-6 4* 7 6$88,66 0,, 7*6 .6 6,+ *1,+ 6 6-/+? = 2
7. 5-/5/6, /-<,- . 7.+ 86?*#*+?/+ 7, /88.6*/+2 *+
47*87 1,.+ /B/*+2 *+ 8/+6,@$,+8, /0 7, 6$88,66 /#,-
7, $ 872 7, 4/ 1,1/-.3 , 3. ,6 /0 .- /4,
/#,- 7, -,+872 .+< 7, .- /0 ' " *+8,+ /#,- 7,
'5.+*.-<6 F * 7/$ -$, 6,,<6 /0 -, *?*/Q +/ 5,/5 , 8.+
3, 7.55=2 +/- 4* 3, /3,<*,+ /, ,?. . $ 7/-* = f +/-
4* 7/6,*+ 8/1 1.+< 3, 1/<`-. , *+ 7, ,N,-8*6, /0 * 2 *0
+/ 8/+#*+8,< 7. 7,= .-, .+64,-.3 , /. *?7,- /4,-
0/- 7,*- 8/+<$8 $ 4,-, /* *+<$? 1=6, 0 /+ 7*6
6$3B,8 2 67/$ < 8,- .*+ = /3 -$<, // /+?/+ =/$-
5. *,+8, 4* 2 7,-,0/-,2 8/+`s$<` 4* 7 ,E#,-= .66$-.+8,
/0 0,, *+?/ 1$87 *+ ,-,6 2 1= ?//< */-<2 *E=/$- 7,. 7
D.+< 7.55*+,66 L

 4.6 *+ 7, -//1 . F*+<6/- (.6 ,2L 4-* ,6 .+
.88/15 *67,< .<= 47/ 6 //<0 7*?7 *+ 7, ,6 ,, 1 /0 7,
 +?/ .+< Q$,,+2 47,+ 7, +,46 4.6 3-/$?7 /0 7,
#*8 /-= /#,- 7, $ 87 0 ,, . (.15,-</4+ 3= <1*-.
$+8.+ 7, *+?/6,,1,< /#,-5/4,-,< 4* 7 * 6 1.?+*G
$<,2 .+<2 5.8*+?/$5 .+< </4+ 7, /+?/<.-M -//1 *+ 47*87
7, 6. =6. 2 .55,.-,< /88.6*/+. = /,B.8$. ,6/1, 7*+?/
*+ . /4 #/*8,2 47,+ 7, -*+8,66 $?$6 .6.*< / 7*1 Y
P .5.2 =/$.-, +/ 7. 0 7.55= ,+/$?7 f 6/ 1 .+= /0 7,

$ 87 7.#,'0. ,+ .+< 6/ 0,4 /0 /$-' +? *67''C ,5,. *+? 7,-' /36,-#. */+ 7,' $-+,< 67/- .6 *0 .4.M,+,< 0-/1' .' -,#,-*, .+< E*< 4* 7 .' 67.-5+,66 +/ ' 6.' 4* 7 7*1 Y' P ,1,13,-' $?$6 . 7,-,' .-,' B$6 ' .6 1.+=' 4*</46 .+< /-57.+6 .6 *0 7,=' 4,-,' . ' +? *67T'C '/ 0,, *+? =' .+< 1,,M=' <*< 7,'3,.-' 5-/6BX,-* =T'L'

+' 7,'9 7 /0 ,8,13,-' 7*6 =,.- 7,' 4/' ?-,.' #*8G /-*,60 4/+' 3=' A,-#*6 **2+< $+8.+ +/4'' 6,#,-. =' .-' ' ' "*+8,+' .+< "*68/$+' $+8.+ 4,-,' 8, ,3-. ,< 3=' 7,' *+?06 8/11.+<6 4* 7 8/+6*<,-.3 ,' 5/15 *+' ' ' .$ 06 * 7,<-.' +' 7.'<.=' .' 6/ ,1+' 5-/8,66*/+ 8/+6*6 *+? /0 7,' *+? .+< Q$,,+' .+< 7,' /=.' .1* = /0 7,' ?-,.' /00*8,-6 /0 6 .,' .+< /0 7,'-/=.' 7/$6,7/ < /0 7,' /$6,6 /0 /-<6 .+< (/11/+6 7,'5-*+8*5.' +.#.' 8/1G 1.+<,-6 .+< .'<, .871,+' /0 6,.1,+' .+< 1.-*+,6 3,.-*+? E.?6 .+< ,+6*?+6 -,5.*-,< 7-/$?7 6 -,, 6 *+,< 4* 7 6/ <*,-6 /' 3y' ?-,.' 1, -/5/ * .+' 87$-87' 7,'*+ ,-*/-' /0 7,'#.6' 31 <*+? 5-,6,+ ,<.' 1/6' *15/6*+? 65,8 .8 ,' 7,' *+? .+< 7,' /=.' .1* =' 7.#*+? .M,+' 7,*-' 5 .8,6 7,'5-*+8*5. +.#.' /00*8,-6 0* ,< 5.6' 7,1 3,.-*+? #.-*/$6 0 .?6 8.5 $-,< 0-/1' 7,' -,+87 7,' '5.+*.-<6 .+< 7,' $ 87' <1*-.' '** ' .+ .0 ,-4.-<6' /-< .-<*+,-8.--*,< 7,'5-*+8*5.' -,+87 6 .+<.-< .M,+' 3=' /-< /4,'/+' 7,' *-6' /0 A$+, 9: A .+< /-< $+8.+ 7,' 8/ /$-6 /0 7*6 8.5 $-,< ,7,1= ,' F*+ ,-' ' 1.=' 3,' 1,+*/+,< 7.' 7,' *+? /+'7*6 4.=' /' 7,' (. 7,<-. 4.6 -,8,*#,< 4* 7 ,+ 7$6*.61' 3=' 7,'5/5$ .8, 47* ,' &-' * /+' 7,'8/+ -.-= 1,' 4* 7 6/*+6$ *+? .' -,8,5 */+' 7.' 7,' 4E,='6 /55,< /' <*+,' *+' /8 /-6 (/11/+6 .+< .' +*?7' -, $-+,< *+' 7,' 8.--*.?,' /0 .' E0-*,+< *+6 ,.< /0 *+' 7*6 /4+0

7,' =,.-6 9: ;' .+< 9: ' 5.66,< .4.=' 4< 7/$' .+=' ,#,+' /0 *15/- .+8,' <*6 $*3*+? 7,' ,#,+' ,+/-' /0 7,

1.M,*1,26*-CYP /4S7/4SCYP .M,**/$/01=6,,52 6*-I C47,+ 7,28/+6*<,-. ,2?//< *+?6.*<YP $=/$C 7$-=/$ 7,. 7 /4 /+?2C7,.<<,<2P7.#,=/$3,,+ .**S P4/ /-7-,,=,.-62.//<<.+<6/,+1/1,+62 6*-C PF,2C6.*< 7, *+?2P47.,#,-=/$4-*,4*2 .1 6$-,23,,+ ,-.*+*+?C 3/4,<1/6 7$13=2.6 .67.1,</0+/<,6,-#*+?6/0.,-*+?.65,,87 </ +/6.=**/0.,-=/$2C6.*< 7, *+?IP*0 <*<+/ 7*+M**67/$<+/6.=*CL

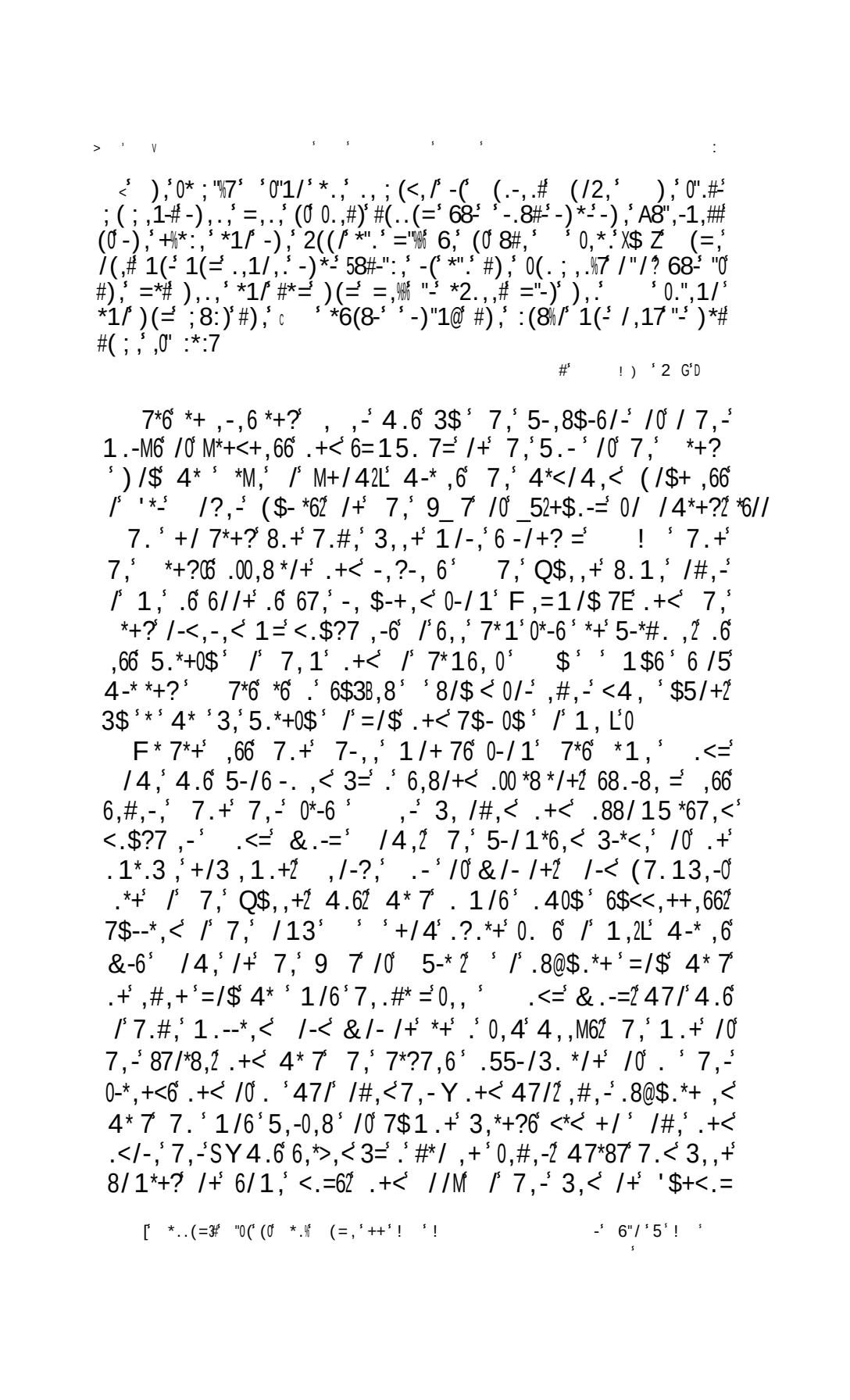
+7,WT/0 $?$626 9: 2.7,.?,/0 6,#,+=0 7-,,2<*,<2.7*6 7/$6,**+ -.0/+06-,,2 /+</+2 7, *+?06 0.#/$-*,.+<<*6*+?$*67,< <1*-.2.-/4, 7,+.$-,/0 7, *+?06 0,,*+?6/+ 7*6 6.</88.6*/+ 4*3,3,6$+<,-6//<3=.5,-$6./0 7,0/ /4*+?3,.$*0$F,,-2.<<-,66,<3=7*1/7*6/<0-*,+<&-6 /4,27,6*6,-/0 7,<,8,.6,< .-

: E 3 (; E $

A 6 " & /(1""

-$6&-6 /4,M+/46 1,3, ,-*.+/6$55/6,1=/+? 6*,+8,/+7,?-,.7 /66 7,5$3*87.66$6.*+,<2.64,.67,- 0.1*=23=7,$+,N5,8,<<,.7/07,-,N8, ,+3-/7,-27.6 3,,+88.6*/+,<3=.+=/7,-1/*#,7.+7,<,6*-,+/ /*+-$<,' 47*,67,4.66/0$=,15/=,<*+.86/0. ,+*#,M*+<+,66/7,- ,.*/+62 47/1$6 7.#,0/*1<1$87 8/10/-0-/1 6$87. ,+*/+ -$6 7, ,N.15,7,7.66, /7,.#=4* /+?8/+*+$,/ 6*1$.,2+/ /+=7,1.87,663-.#,-=/07,/00*8,-62 3$8/+G #*+8,7,1/07,+,8,66*=/#*,47,5-/0,66*/+*+.68*,+*0*8 *?72 3=47*87. /+,7/6,*15-/#,1,+6.-,/7,.8@$**0,<247*87 4*-,.*+7.6$5,-*/-*=/#,-/7,-+.*/+62 47*87,#,-=+?*67G 1.+1$6<,6*-,

*6,N,15.-=8/+<$8**+5-*#.,*0,1$62/+7,5-,6,+ 1,.+87/=/88.6*/+23,7,/+=-$,8/10/-/7/6,47/#,< 7*12.6**?*#,67.7/5,/0 **67.#*+?@$*,<7*6 -.+6*,+ 4/-<0/-,,-+.7.55*+,662 7-/$?7 7,1,<*.*/+/0/$-3,66,< ,<,,1,-0 <*<+/0,,7,5-/5-*,=/0+/.<<*+?1/-,/ 6/?/-*/$6.7,1,21=5,+4/$<3$//4**+?=8/+*+$,



,#,+*+?2 *, * /0 &.-8 *1 .+< =,6 ,-<.=2 *, * /0
5-* 2 24, /6 7,- .<= /4, *6 /#,-47, 1,< *+
6/--/42 .+< *+ 7,- 6 . , /0 7,. 7 7*+M 7, 4/-6 *6
/ 3, 0,.-,<L 7, 6.< ,#,+ 1$6 7.#, 3,,+ *1 1,G
<*. , = 8/1 1$+*8. ,< / 7, *+?2 *+.61$87 .6 7, 0/ G
/4*+? , ,- *6 <. ,< 7, 6.1, <.= /+ 47*87 .<= &.-=
<*,< Y

: E 3 (; YZ E $

GA &C A 0 :7 P /9;

C), "12 =(8%/ 1(-0(. (1, ; (; ,1-)*<, /"<,.-,/ .# (=,
0.(;), .),.(": ,00(.-# -(#8++(.- (81-,## (=, (1 -), 0.,#)
#,<,., *00%":-"(1 #), I)*# ; ,- ="-) 68- 0.(; -), #-.(12 /,#".,
),)*# -)*- (1 -), 0".#- +.(+, (::*#"(1 #), ="%% ,>+.,## "1)"#1
1* ; , -(-), (81-,##)(=#"1:,.,%7), +*.-":"+*-,# "1), . 2.",0
-"# " ; +(##"6%, -( )*<, @1(=1 -), -.8%7 *12,%": ; "1/ 1(= /,G
+*.-,/ *1/ 6, "1#,1#"6%, -(-), 0,,%"12# (0 -), ,>:,%%,1- ; (-),.
C), "12 -.8#-# -)*- -), -"; , :(10"/,1:, -), (81-,##)*#
*%=*7# +%*:,/ "1 "<"1, .(<"/,1:, ="%% 6,), . -.8, #-*7 (1 -)"#
; (#- .7"12 (::*#"(1 *1/ -)*- 6(-) #), *1/ -), *.(1,## (=,
="%% 1(- -((#-.(12%7 #-.822%, *2*"1#- -), .,*% 0,,%"12# (0 1*-8.,
,*.# *., -), 1,:,##*.7 "1/8%2,1:, (1 #8:) *1 (::*#"(1? *1/
"<"1, .(<"/,1:, :,.-*"1%7 :*11(- 6%* ; ,)8 ; *1"-70(. 2"<"12 =*7
-(=)*- *%(1, "1 -), 0".#- ; (; ,1-# :*1 2"<, ,*#,), ; "1/
; 8#-)*<, (6-*"1, / #(; , :*% ; 6,0(., -), (1%7 -" ; , *##"#-*1-
.,%"2"(1F :*1 2"<, "-# .,*% *"/ 7 ; "1/ "# #(08%% :(8%/ */ /
; 8:) ; (., 68- #-(+ (1 .,0%,:-"12 -)*- * ; /,-*"1"12 .# (=,
=)(#, 2((/ #,1#, *1/ #"128%*. .,#(%8-"(1 *., 1,:,##*."%7 , ; +%(7,/
"1 #8++(.-"12 -), ; (-),. *1/ /*82)-,.

!) D -

3, 6 -,+? 7 /0 7, <-//5*+? (/$+ ,662 .6 3.< 3,,+
.55-,7,+<,<3= 7/6, 47/ 4,-, +,.- .+< <,.- / 7,-2 6.+M
$+<,- 7, 4,*?7 /0 7*6 .6 .+< 7,.#= 8. .1* = +
7, 7 /0 $?$6 2L 4-* ,6 &-6 /4,2 67, 4.6 -, ,.6,<
0-/1 .= ,.- /0 6.< 6/--/42 3$ 7,- <, . 7 4.6 .+ ,.6= /+, LA
7, ,#,+ <-, 4 0-/1 7, *+? 7, 0/ /4*+? 0$- 7,-
.1*.3 , ,#*<,+8, /0 7*6 .00,8 */+ 0/- 7, /$6, /0 /4, Y

[*..(=3# "0,'(0 *.% (=,'+' ! ' x' 6"/'++'! !'! U' ' ""/'+'! U

<.= 7, *+? 4.6 -,#*,4*+? 7, -,+.<*,- $.-<6 *+
 =<, .-M 47,+ <$-*+? 6/1, 0*-*+? 0-/1 8,+ -, / 0 .+M
 . ?,+ ,1.+ /0 7, +.1, /0 +? ,= 47/ 4.6 6 .+<*+? +/
 1$87 1/-, 7.+ 4,+ = =.-<6 0-/1 7*1 -,8,*#,< . 1$6M, 0
 3. *+ 7, 0 ,67= 5.- /0 /+, /0 7*6 7*?76 '$36,@$,+
 +@$-*,6 *+<$8,< 7, 3, *,0 7. 7, 3. 7.< 6 *55,<*+ /
 7, 1$6M, 3= .88*<,+ +,#,-7, ,66 . 7, **1, * 4.6
 7/$?7 / 3, 7, 4/-M /0 .+ .66.66*+ 7, *+? 7/4G
 ,#,- 1.+*0,6 ,< +,* 7,- 6$65*8*/+ +/- . .-1 + 7,
 8/+ -.-= *+6 ,.< /0 @$* *+? 7, ?-/$+< 7, 8. 1 = -/<,
 /4.-<6 7, *+B$-,< ?,+ ,1.+ . 7, 6.1, *1, ?*#*+?
 <*-,8 */+6 0/- 7, 6$-?,/+ /0 7, -,+.<*,-6 / ,N.1*+,
 .+< <-,66 7*6 4/$+< .+< ,+B/*+*+? /-< (. 78.- /+, /0
 7*6 1*7 .-= 6.0 / .68,- .*+ 7, .<<-,66 /0 7, 6$00,-,-
 47/1 7, 6$36,@$,+ =8.$6,< /E, . ,+<,<. 7*6 /4+-,6*G
 <,+8, 3= 4/ 1* * .-= 1,<*8. /0 '8,-6 /0-.+M .-,#*,4
 /0 7, $.-<6 *+ =<, .-M L 4-* ,6 .+ .88/15 *67,<8/+G
 ,15/-.-= /+ 7, 6.1, <.= 5,-6/+ 4.6 67/ 47/6 //<
 . +/ ?-,. <*6 .+8, 0-/1 7, *+? . 8 ,-M *+ 7, .#=
 00*8, 7, 3. 5*,-8,< 7*6 7*?7 7,+ 4,+ 7-/$?7
 7, 8/. /0 . -,+87 1.+ .+< 65,+ * 6, 0 .?.*+6 7, 3-,.6
 /0 . 3/= 4* 7/$ </*+? 7*1 .+= 7.-1 LY 7, *+?L
 4-* ,6 7, 6.1, .$ 7/-* = #,-= 1.+0$ =6 //<0*#, #/ ,=6
 .0 ,- 7, .88*<,+*- //M 5.8, F 7,+ * 4.6 5-/5/6,< /
 6,+< 7, -*+8,66,6 .4.= *, 6.*<YP 4*H +/ 7.#, /+, /0
 7,1 6 *-0/- 7, 4/-<CL

 $ * 4.6 7, 6,8/+<5,-* 47*87 3,0, 7, *+?*+ 7,
 8/$-6, /0 7, 4,+ =00/$- 7/$-6 7. /88.6*/+,< 7, ?-,. ,6
 .1/$+ /0 ,N8* ,1,+ .1/+? 7*6 6$3B,8 6 7.< 3,,+
 5$3 *8 = .++/$+8,< 7. *+ 7, ,#,+*+? 7, 4.6 / . ,+<
 7a 5,-0/-1.+8,6 . -$-= .+, 7,. -, 7, 5 .= 47*87
 7, 7.< 3,65/M,+ 4.6 (/ ,= (*33,-0 65-*?7 = 8/1,<=
P '7, F/$ < .+< '7, F/$ < / C 6 1*?7 3, ,N5,8 ,<

8/11,+8,2 .6 *0 +/ **+? $+$6$. 7.< 7.55,+,< 7-, ,
1,62<$-+? 7, +*?7 2 7, +. */+. .+ 7, 1 4.62<, 1.+<,<
3= 7, .$<*,+8, I &-6 A/-<.+2 /+ 7, 6,8/+< /88.6*/+2
6 *55*+? *+ / 7, 7.+<6 /0 , = 7, 0/ /4*+? .<<* */+.
6 .+>.2 47*87 '7,-*<.+ 7.< 8/15/6,<3,7*+< 7, 68,+,6 /+
7, 65$- /0 7, 1/1,+ Y

-/1,#,-= . ,+ 0/,2
-/1 7, .66.66*+6 3 /42
/< 6.#, 7, *+?T
C,- **1 7B+/ .-1 , N ,+<I
/- -* .*+6 6.M, <,0,+<
$-0. *,-2 -*+, ,2 .+<0-*,+<I
/< 6.#, 7, *+?TL

, =06 #/*8,2 .6 7, 7*16, 0 *+0/-16 $62 0. ,-,< 4* 7
.?* . */+ .6 7, -,5,. ,< 7, 6 .+>. I =, * *<*< +/ 5-,#,+
* 6 3,*+? 7-, , *1,6 8. ,< 0/- 3= 7, .$<*,+8,2 .+< 7-, ,
1,6 -,8,#,< 4* 7 7, 1/6 -.5 $-/$6 .55-/3. */+
+/ 7,- ,1*+,+ .8 /-2 47/ 5,-0/-1,<3,0/-, 7, *+?
/+ 7*6 /88.6*/+2 4.6 A/7+ .++*6 ,-2 47/ *+ . ,- =,.-6
$6,< / .M, . 5 ,.6$-, *+ -,8/$+ *+? / 7*6 0-*,+<6 7,
+8<,+ 6 /0 7. ,#,+ 0$,#,+*+? -/1 7, *1,2 7,
6.*<2 7. 7, 67/ 4.6 0*-,<2 7, .$<*,+8, 8/+ *+$,<-,6 ,66
.+<*+. ,+ *#, I 7, .?* . */+ 0, 3= 7, .8 /-6 4.6 ,#*<,+
3= 7, 6 /#,+ = 1.++,- *+ 47*87 7, = 4,+ 7-/$?7 7, *-
5.- 6I 43. , 7, /+ = 5,-6/+ 47/ -,1.*+,< 8. 1 .+< 6, 00
5/66,66,< 4.6 7, /3B,8 /0 .H 7*6 8/11/ */+2 7, *+?
7*16, 0 0 4.6 /+, /0 7, 5,8$ *.-* ,6 /0 ,/-?, 7,
7*-<2 47,+ 7, . ,+<,< 7, 7,. -,2 / </>, 0/- . 0,4
1/1,+ 6 3, 4, ,+ 7, 8/+8 $6*/+ /0 7, 5 .= .+< 7,
8/11,+8,1,+ /0 7, .0 ,-5*,8, 7*6 N-= * 1*?7
3, 6$55/6,< 7, 4/$ < 7.#, 0/-,?/+, /+ 7, 5-,6,+ ,NG
8* *+? /88.6*/+ + 7, 8/+ -.-=2 7, 8 /6,< 7*6 ,=,6 .
7, .88$6 /1,< *1,2 .+<2 / 7, 6$-5-*6, /0 7*6 6$* ,2
,+B/=,< 7*6 +.5 .6 6. A 7, Q$, ,+ .+< 7, -*+8,66,62

, =06 ,1*168,+8,62 #/ **55 9WK09W;
.++*6 ,-06 &,1/*-62 #/ **5 W;
* F-.N. 06 *6 /-*8. &,1/*-62 #/ **55 2 2 -<,<**/+

/+' 7,'/ 7,-'7.+<2.-,'6.*<'/'7.#,'3,,+'8/+6.+ ='*+', .-6'
<$-*+?' 7,' ,#,+*+?' ' 7,' *+?2L'4-* ,6' .++.7' &/-,'
/'/+,'/0'7,-'6*6,-62' '4.6'4/+<,-0$ ='?-,.' .+<'8/ ,8,<
7-/$?7' 7,'47/ ,I 3$'47,+' 7,'7/$6,'8/+*+$,<'67/$G
*+?'0/-' .+' $+-,.6/+.3,' ,+?7' /0' *1,2 7,' .55,.-,<
1$87' .00,8,<2 6.' </4+2.+<' //M,<0/-.' 1*+$,'/+' 7,'
?-/$+<' F7,+'7,'?/'7/1,'7,'6.*<'/'7,'Q$,,+YP 6'
*'*6.'6.0,2'.1'+/'6/--='*'7.6'7.55,+,<20/-'8.++/'
-,?-,'.+=7*+?'7.'7.6'8.$6,<6/'1$87'.00,8*/+'/'3,'
<*65.=,<CL'

+'7,'1,.+'*1,2 7,'*+,+<,<.66.66*+'7.<3,,+'*11,G
<*.,='6,*>,<3='7,'5,-6/+6'+,.-'7*12.+<'<-.??,<'/#,-'
7,'65*M,6'0'7,'/-87,6-.'*+/'7,'1$6*80-//1'3,+,.7'7,'
6.?,' *6'+.1,'5-/#,<'/'3,'A.1,6'.<0*,<' ,'7.<'
0/-1,-='3,,+'.'/=.'.+<'?. .+'6/<*,-'*+'7,'9W7' *?7'
-.?//+62.+<2.6'4.6'.0,-4.-<6'.<<$8,<'*+',#*<,+8,2 3.<'
3,,+'1/-,' 7.+'/+8,'6,#,-,='4/$+<,<'*+'7,'7,.<' '
7*6'-*.'0/-'7*?7'-,.6/+2 47*87' //M'5.8,'.' 7,'(/$-'/0'
+?06' ,+87'/+' 7,' K7'/0'A$+,2'4.6'5-/#,<'3='7,'
8,.-,6' ,#*<,+8,' 7.'7,' 4.6'.00*8,<'4*7'*+6.+*=2'/+'
47*87'?-/$+<'7,'4.6'8/+6,@$,+ ='.8@$* ,<2.+<'/-<,-,<'/'
3,'8/11*,<'/' ,<.1'0/-'7,'-,1.*+<,-'/0'7*6'<.=6' '/'
8-/4<,<2*'1.='3,'1,+*/+,<24.6'7,'0*-6' ,#,,'7,<'3='7,'
*+?'.0,-'7,'. ,15'/+'7*6'*0,2 7.' '/1,-#* ,' 7,'7*6G
/-*.+2 47/'4.6'/'7.#,'3,,+'5-,6,+ ,<'/'7*1'3='7,' $M,'
/0'/- .+<24.6'8/15, ,<'/'-, $-+' /'7*6'/<?*+?6'<*6G
.55/*+ ,<'/0'7,' ,N5,8,<'7/+/$-' ' 7,'1$ *$<,2L'3,'
4-* ,62' '/05,-6/+6'/0'<*6*+8*/+2/0',#,-='5.-='47/'8.1,'
/'/00,-'7,*-'8/+?-.$.*/+6'/' *6'&.B,6='$5/+'7.'
,#,+2 4.6'3,=/+<'47.'7.<3,,+'-,1,13,-,<2.+<',0'+/'
1,'0/-'+,4'+-/<$8*/+6' ' 4.6'.15='8/15,+6.,<
0/-'1='<*6.55/*+1,+'3='4*+,66*+?'7,'8/+?-.$./-='
.<<-,66,6'/0'7,' /$6,6'/00.-*.1,+2.+<'/0'7,'H+*G
#,-6**,6'/0' N0/-<.+<'(.13-*<?,25-,6,+ ,<'/' *6'&.B,6=

8/$+ -*,6 3='8 /6,-' 3/+<6 /' ,.87 / 7,-I 3$ 2 . ' 7,' 6.1,' *1,2+/' /+,'4.6 1/-,'0$ ='.4.-,' 7. 2$+ ,66 6/1,',@$* .3 ,' .+< 6$36 .+ *.' 8/+8,66*/+6 4,-,' ,N ,+<,< /' 7,' -*67 /1.+' (. 7/ *86 Y 6$872 0/-' *+6 .+8,2 .6 5,-1* *+?' 7,1' /' 6*' *+' .- *.1,+' .+< /' 7/ < /0 '8,6 /0 6 . ,2 .+<2 1/-,' ,65,8*. =2 7,' 1.M*+?' .' 6 . ,' 5-/#*6*/+' 0/-' 7,' 1.*+ ,G +.+8,' /0 7,' -*67 /1.+' (. 7/ *8 8 ,-?=YE7,' H+*/+' 4/$ < 3,' -,+<,-,< 7 ,' 1/-,' 7.+' .' +.1,' 7,',N8 $G 6*/+' /0 7*6' '?-,.' .+< 7,. *+?' 1,.6$-,'L' 5-/#,<2 /' $6,' 7,' 4/-<6 /0 7,' . ,' '*-' ,/-?,' ,4*62 .+' *--,5.-.3 ,' 8. .1* = L' ' '-, .-<,<2L' 4-* ,6 7.' .88/15 *67,< 6 . ,6G 1.+2 ' 7,' 1,.6$-,' /0 (. 7/ *8 1.+8*B*. */+' 3=' .' @$.- ,-' /0 .' 8,+ $-=2 .+< ,0' *' /' 3,',N /- ,< 3=' *+ *G 1*<. */+' ' 8-,. ,< C(/++, 06 5/4,-' .+<?.#,'*15/- G .+8,' /' 7,' ,5,.' .?* . */+' 3/#,' . 2*' 7.6 ,0' 7,' -/ ,6 .+' .+< (. 7/ *8 (7$-87,6 /0 -, .+< *+' 7,*-' 5-,6,+' .+/1. /$6 6 . ,2 4* 7 * ,' 5-/65,8' /0 7*6 ?-,.' <,0,8' *+' /$-' *+ ,-+.' 5/ * =' 3,*+?' -,1/#,< 3=' .' 0.*-' .+< ,@$* .3 ,' .<B$6 1,+ L' &/-,/#,-2 &-' * ' 7.< .+/ 7,-' 6 -/+?2 .+< *+<,,< 5,-6/+. 2 1/ *#,' 0/-' 5-,66*+?' 7,' @$,6 */+' /0 (. 7/ *8 1.+8*5. */+' $5/+' 7,' 8/+6*<,-.G */+' /0 7*6 ' /#,-,*?+2 $-*+?' 7,' *1,' 7.' 7,' 7.< 3,,+

' 66.=6 /+' 7,' <1*+*6 -. */+6 /0 -,.' -* .*+2 5'9_ ' /+?' 6*+8,2 7,' . ,' &-' (-/M,-2*+' 7,'5.?,6 /0 7,'R 'D 'f#/' NN*N'55'W K2W :X2 7.<,.-+,6 =' .<#/8. ,< 7,'B$6 *8,'.+< 4*6</1'/0 1.M*+?'.'6 . ,'5-/#*6*/+' 0/-' 7,' /1.+' (. 7/ *8 8 ,-?=' *+' -, .+<' ,'4-* ,6 SR 'D /#/' NN#*'5' :;X' 'F,' .M,' 7*6 /55/- $+*=' /0 -,5,. *+?' /$-' 6/ ,1+' .<1/+**/+' 7. 2 $+ *' 7*6 6 ,5 3,' .M,+2 -, .+< +,#,-'8.+' 3,' -,8 .*1,<0-/1' 7,'5/ **8.'<*6.00,8*/+2 7,'-, *?*/$6 3*?/ -=2 .+< 7,' (, *8 3.-3.-*6 12 47*87 .-,' 7,'-,.'8.$6,6 /0 .' 7,-' 1. ,-*.'.6 4,'.6 7,-' 1/1' 1*6,-*,6 L' &d' (-/M,-' .' 7,'6.1,' *1,'.66$1,6 7.' 7,6,' 4,-,' ' *6 &.B,6 =6 #*,46 /+' 7*6 6$3B,8 IL' 3$' /+' 7*6 5/*+' 7,' 4.6 1*6 .M,+' /' &-' * ' 4,'0*+< 7,' *+?' 4-* *+?' /+' 7,' _7 /0 A.+$.-=2 9: ' ' ' ',/++/' 7, 5 ,N5-,66*+?' /' &-' * ' 6/1,' 6 $5-*6,' .' 7.#*+?' 6,,+2 *+' .' , ,-' 0-/1' /-< (.6 ,-,.?7 /' 7,' $M,' /0 /- .+< /+' &/+<.=2 .+' *<,.' /0 .+' ,6 .3 *67,< 6 *5,+<2 3=' 7,' .$ */-* =' /0 /#,-+1,+2 0/-' 7,' (. 7/ *8 8 ,-?=' /0 -, .+<' .1 8,- .*+' .+=' ,+8/$-.?,1,+' /' 6$87 .+' *<,.' 1$6'?*#,' -,.' /00,+8,' /' 7,' 6 .3 *67,< (7$-87 *+' -, .+<2 .6 4,' ' /' 7,' -$,'0-*,+<6 /0 /$-' (/+6 * $ */+' 0/-' * '*6 8,- .*+ ='8-,. *+?' .'6,8/+< (*$-87 6 .3 *67 1,+2 47*87 8/$ < +/' 3$' 3,'7*?7 =' +B*$-*/$6' 7,' /,-. *+?' *66,+,-6 *6 0.*-2 3$' 7,' -=*+?' /' 5,-5, $.,' .' 6,5.-. */+' *+' -, *?*/$6 /5*+*/+62 3=' 5-/#*<*+?' 0/-' 7,'6$55/-' /0 7,*-'8,-?=' .6 .+' 6 .3 *6 $+,+2 *6 8,- .*+ =' ?/*+?' 0.-' 3,=/+< 7,' 3/$+<6 /0B$6 *8,' /-'5/ *8=LY .-' ' .+7/5,6 K4 ' 4') /#/' *** ' 55,+<*N2 5'N#***

,+?.?,< *+ @.--=*+? 7, H+*/+ *+ / .4 7, 7.< 7, < /$
,N5,8 . */+6 / 7, ,.<*+? /1.+ (. 7/ *86 7. /+ 8/+G
<* */+ /0 7,*- .66*6 *+?7*1 *+ 7, 0$- 7,-.+8, /0 7, ?-,.
4/-M 47*87 7, 7.< /+ 7.+< 7, 4/$ < 6//+,- /- . ,-
*+ -/<$8, . (. 7/ *8 , *,0 * * *+ / .- *. 1,+ 7/6,
,N5,8 . */+6 7, +/4 0, 7*16, 07/$+< *+ 7/+/$- / </ .
*+ 7*6 5/4,- / -,. *6,

(/+6*<,-*+? 7, 6*?+*0*8.+ 0.8 6Y 7. +/ /+ = .6,8 */+
/0 7, (.3*+, 3$ 7. 7, -*1 . ,6 /0 +? .+< .+< -,G
.+< 7, /-<6 (7.+8, /-6 /0 7/6, 4/ 8/$+ -*,6 7, (7*,0
A$6 *8, /0 +? .+< 7, (7*,0 A$6 *8, /0 7, (/11/+ ,.6
7, ,+87 /0 *67/56 .+< .55.-,+ = . .-?, 1.B/-* = /0
7, 5,/5 , /0 +? .+< 4,-, /55/6,< / /1.+ (. 7/ *8
1.+8*5. */+Y#,-= ?-,. < /$3 4/$ < 6,,1 / ,N*6
47, 7,- ,#,+ *0 7, *+?7.< 3,,+ 0.#/$-.3 , / 7,
1,.6$-, &- * 4/$ < 7.#, 6$88,,<,< *+ 8.--=*+? *
7-/$?7 7, /$6, /0 (/11/+6 .+< 1$87 1/-, 7-/$?7
7, /$6, /0 /-<6 . ,#,+ 6 7, *+?06 -,5$?G
+.+8, / * 4.6 *+6$-1/$+ .3 , / 7. .6 7.6 3,,+
. -,.<= 67/4+ *+ 7,6, 5.?,6 *+ / ,-.+8, *+ 65*-* $.
1. ,-6 4.6 /+, /0 7*6 *15,-0,8 */+6 + 7, 8/+ -.-=0,4
1,e *+ 7*6 </1*+*/+6 4,-, 1/-, .#,-6, / ,#,-= M*+< /0
-, *?*/$6 5,-6,8$ */+ /- 1/-, 4* *+? / -, *,#, /1.+
(. 7/ *8 .6 4, .6 *66,+ ,- 0-/1 7, /55-,66*#, 5,+.
6 . $,6 47*87 7.< 3,,+ 5.66,< *+ 7, -,*?+6 /0 7*6 5-,<,G
8,66/-6 $ $+0/- $+. , = 7, -, 7.< .M,+ -// * + 7*6
7,.- +/ /+ = .8/+8,5 */+ 7. (. 7/ *8 , *,0 4.6 0-.$?7
4* 7 5,-* / (7$-87 .+< ' . ,E 7$. 5-/0/$+< 8/+#*8 */+
7. *+ 7, ,#,+ /0 7*6 8/+8,<*+? 1.+8*5. */+ / 7,
/1.+ (. 7/ *86 7, 4/$ < 3, ?$* = /0 7, 7,*+/$6 8-*1,
/0 3-,.M*+? 7*6 8/-/+. */+ /. 7 *6 0.1/$6 <,8 .-. */+
/0 8/+68*,+8, Y 7. 7, 7.< 0*-1+,66 6$00*8*,+ / -, *-, 0-/1

  .1 6. *60*,<L 4-* ,6 /1 *+, *67/5 /0 *+8/ + / &- /6, 7. * *
+,#,-8.+ 3/ 8.--*,< 7-/$?7 7, /$6, /00 /-<6 7*+M 7. ,#,-= 3*67/5 4/$ <
3, .?.*+6 * * 7.6 . -,.<= ,N8* ,< +/ 61. . .-1 .1/+?6 6/1, /0 /*$ 3,+87 LY
/6,0 C /#/ * *2 5 ;W

.' -/+,' /' .' 8/ .?,ℓ .+< ,#,+' /' .=' </4+' 7*6' +,8M' $5/+' 7,' 3 /8M' *0' 7*6' 6$3B,8 6' -,@$*-,< * ℓ 7$ ' 7. ' 7,' 7.< +/ ' -,6/ $ */+' ,+/$?7' /' 3-,.M' 7*6' (/-/+. */+' . 7Y7.6' . -,.<=' 3,,+' .<#,- ,< /' *+' 7,6,' 5.?,6 ' 7,' /0 ,+,-' 7,' *+?' 7.< 5,-$6,< 7,' 4/-<6' /0' 7. ' /. 7ℓ .+< 7,' 1/-,' . ,+ *#, =' 7,' 7.< 6 $<*,< 7,*-' *15/- ℓ 7,' 1/-,' 7,' 7.< 8/+#*+8,< 7*16, 0' 7. ' .+=' 1 . ,-*. ' 8/+8,66*/+ℓ /+' 7*6' 5.- ℓ /0' 5/ * *8. ' 5/4,-' /' 7,' /1.+' (. 7/ *86ℓ 4/$ < 7,' .+ .1/$+' /' 7*6' 8/1 1* *+?'5,-B$-=' F,-,' 7,' /' 8/+6,+' /' (. 7/ *8' 1.+8*5. */+ℓ 7,' / < 7,' $M,' /0' /- .+<ℓ 7,' 67/$ < +/ ' /+ =' '3, -.=' 7*6' -$6 ' .+<0/-0,* ' 7*6' 8-/4+ℓL' 3$ ' *+' . ' 5-/3.3* * =ℓ 7,' 0-.1,-6' /0' 7,' 1,.6$-,' 4/$ < 6//+,-' /-' . ,-' 3,' 3-/$?7 ' /' 7,' 68.00/ <' ' 4.6' 7,' $M,06' ,N5-,66,< 8/+#*8 */+' 7. ' 7,' *+?ℓ -. 7,-' 7.+' =*, < /' 7,' <, 1.+<6' /0' 7*6' 1*+*6 ,-6ℓ 4/$ < 7.#,' 6$00,-,< 1.- =-</1 T

'$87' 4,-,' 7,' *+?06' #*,46' *+' -,?.-< /' 7*6' . 0*1G 5/- .+ ' @$,6 */+ℓ . ' 7,' *1,' 47,+' 7,' -,8,*#,< 7,' *+<*-,8 ' .+< 6 .- H+?' *+ , *?,+8,' /0' &-' * 06' *+ ,+ */+' /' *+ -/G <$8,' 7*6' 1.+8*5. */+' 1,.6$-,' *+ /' .- *. 1,+ ' 0' .+=G 7*+?' 8/$ < 7.#,' *+8-,.6,< 7,' <*6 -,66' 47*87' 7. ' 8/1G 1$+*8. */+' /88.6*/+,< 7*1ℓ *' 4.6' d7,' <*6 -$6 0$ ' '.+< $+?-.8*/$6' 8.$ */+' 4* 7' 4 **87' 7*6' 1*+*6 ,-6' 7.< M,5 ' 3.8M' 0-/1' 7*1' . ' M+/4 ,<?,' /0' 7,*-' *+ ,+ */+6' ' ' 4.6

' : /#/ ' **' 55' _ ℓ _ ' 6//' .6/' 4*66065' *0,' /0' /-< (7.+8, /-' </+ℓ#/ ' **' 5' W;' 7,' 0/ /4*+?' *6' 7,' 5.66.?,' *+' 7,' (/-/+. */+' . 7ℓ 7,' *+?065*+ ,-5-,G . */+' 50' 47*8 *,+ .* ,< $5/+' 7*1' 6/' 1$87' $+,.6*+,66' .+< 5,-5 ,N* =' Y

+8$ *6 ' /-' *6+/5 Y F* ' =/$ /' =/$-' 5/4,-' 8.$6,' .4' .+< B$6 *8,' *+' 1,-8=' /' 7,',N,8$,< *+' . ' =/$-'B$<?1,+ 6'SL

&)' .+< GA &I J ' 4* L

K1 1 L' /-' 1 L' ' F* ' =/$ /' 7,' $ 1/6' /0' =/$-' 5/4,-' 1 .*+ .*+' 7,' .46' /0' /<ℓ 7,' -$,' 5-/0,66*/+' /0' 7,' /65,ℓ .+< 7,' -/ ,6 .+' -,0/-1,< -, *?*/+' ,6 .3 *67,< 3=' .4S' +< 4* ' =/$ 5-,6,-#,' $+ /' 7,' 3*67/56' .+< 8 ,-?=' /0' 7*6' -,. 1ℓ .+< /' 7,' 87$-87,6' 8/1 1* ,< /' 7,*-' 87.-?,ℓ . ' 6$87' -*?7 6' .+< 5-*#* ,?,6' +6' 3=' .4' </' /-' 67. ' .55,- .*+' $+ /' 7,1ℓ /-' .+=' /0' 7,1'SL

& ' .+< GA &' Y ' ' 7*6' '5-/1*6,' /' </L

0 ,-' 7*6' 7,' *+?' .+< Q$,,+ℓ .=*+?' 7*6' .+< 7,-' 7.+<6' $5/+' 7,' / =' /65, 6ℓ 67. ' 6.=Y

&)' *1/' GA &' P),'-)"12# =)":)' ')*<,'),.(6,0(.,'"b(;"#,/' ' ="%%' +,.0(. ;' *1/'@,,+' ' & / 'A > 2 ' ' /' ' ; 9' ' '

-' (./' *%; ,#68.7B# "*.",#' <(%' "<' +' U

" 7' '

8,- .*+2L 7, *+?.0 ,-4.-<6 4-/ , / /-< -,+#* ,2 *0 7,=7.< /5,+ =2 *+ 7,3,?*++*+?2 6 . ,< 7,*- /5*+*/+6 / 1,2 67/$ <7.#,3,,+ .3 , / .#,-**,+ *-, = L 4.6 7, /+ =<*0,-,+8, /0 /5*+*/+2 6.*< 7, *+? / ,+,-. $<,2 47*87 7.< ,#,-7.55,+,< 3, 4,,+ &- * .+< 7*16,0 7, 1,.6$-,2 7, .<<,<2 7.< .M,+7*1 , 7 / "2= '/ * , 8/+6*<,-.**/+2 *+<,,<2 7.<3,,+ 67/4+7*12 7. 2 +/ 4*76 .+<*+?. 4.6 * 6 *+ ,+ */+ /*+ -/<$8, 7,6$3B,8 /0 (. 7/ *8 ,7,0 *+ 7, 65,,87 47*87 7, '/#,-,*?+ 4.6 / <, *#,-0-/1 7, 7-/+, /+ 7, +< /0 ,3-$.-=2 * 4.6 +/ * 7, ; 7 /0 7, 5-,8,<*+?1/+7 7. 7, *+?4.6 .55-*6,<2 .+< 7,+ /+ =*+<*-,8 =2 /0 7,0.8 A +7. <.=2 7*6 1.++,- .+< .+?$.?, . 7*6 ,#,, . ' A.1,606 $+0 1*6 .M,.3 = 3, -.=,< 7, $+,.6*+,66 /0 7*6 7/$?7 6 $<*+?/ / /-< (.6 ,-,.?72 7,+ (7*,0 ',8-, .-= / 7` /-< *,$,+.+ /0 -, .+<2 7, /36,-#,< / &- F*+<G 7.12 ',8-, .-= . F.-2 7. 7, 67/$ < //M $5/+ .+= /+, 47/ #/ ,< 0/- (. 7/ *8 1.+8*5. */+ .6 5,-6/+. = *+<*65/6,< /4.-<6 7*1 L[/ &- $+<.6 7, ,N5-,66,< 7*16,0 *+ .6 * 1/-, ,+,-?, *8 1.*1,- F7. †Y7, ,N8 .*1,<2 *+ .#/*8, /$< ,+/$?7 / 3, /#,-7,.-< 3= 7/6, 47/ 4,-, +,.- 7*1Y F7. *6 / 7. 7*6 =/*1? /-< 7.6 3-/$?7 /#,- 47*87 7,= .-, ?/*+? / 7-/4. 1= 7,.<S 67. -,8M/+ .+= 1.+ 1=5,-6/+. ,+,1= 47/ 5-/5/6,6 .+= 6$87 1,.6$-,Y 7, 1/6 A.8/3*+*8. 7*+?

, ,46 *0, /0 /-< '*<1/$ 72 #/ '*'5 ;
0 /-<&. 1,63$-=6 *.-*,62 #/ '*#'55 ;2
A * 6 , ,- / 7, *+?2 .++/$+8*+? 3 7, '*+ ,+ */+6 /0 7, (.3*+, 2 *6 E ,<A.+$.-= 96 f , ,46 K4 4 K 9 /#/ '*'5 ;X2 .+<4.6 -,8,*#,< 3= 7, *+?/+ 7, 96 /0 ,3-$.-= *6 &.B,6 =2 * .55,.-62 7.<3,,+ 5-*#. , = *+0/-1,<3= /-< /$?73/-/$?7 . F,=1/$ 72 6/ /+?.?/.6 7, 1/+ 7/0 ',5 ,13,-2 7. 7, @$,6 */+ /0 /1.+ (. 7/ *8 , *,0 4.6 . 7. *1, $+<,- 7, 8/+6*<,-. */+ /0 8,- .*+ 1,13,-6 /0 7, (.3*+, SO 7, K 4 O /#/ '#* 5 X /66*3 =3, 1.= 6*+8, 7,+7.#, 7.<-,.6/+0/-3, *,#*+? 7. '7*6 &*+*6 ,-6 7.<.3.+</+,< 7,*-*+ ,+ */+ /0 .M*+?. += .8 *#, 6 ,56 *+ 7, 1. ,-2 /-/7,-4*6, ** *6 <*00*8$ / /.88/$+ 0/- 7, ?-, 6$-5-*6, 47*87 7/.55, .-6 /7.#, 1.+*0,6 ,<. 7*6 ,#, / + 7, ; 7 /0A.+$.-= ', , .63 7, (/-+4. *6 (/--,65/+<,+8,2 #/ '***'5 [/-<&. 1,63$-=6 *.-*,62 #/ '*#'5

*,' +,8*E6* =' /0' 7*6' .' /+8,' 8/1*+?R /' .' <*6 *+8' $+<,-G
6 .+<*+?' 4* 7' 7*6' '/#,-,*?+2' .+<' .88/-<*+? =2' /+' 7,' 96'
/0'A.+$.-=2' 4,' 0*+<' 7*1' .<<-,66*+?' .' , ,-' /' 7,' *+?2'
*+' 47*872' *+' -,65,8 0$' .+<' . 1/6' .00,8*/+. ,' .+?$.?,2'
7,' ,.#,6' /' 7*6' -/=.' 1.6 ,-' 7,'/5*/+' /0',* 7,-'5,-1* *+?'
7,'5-/5/6,<' 1.+8*5.*/+' * ' /' 3,'*+ -/<$8,<'*+ /' .-G
.1,+' 4 7' 7*6' '0$' 8/+8$--,+8,' .+<' 4* 7' 7,' 47/ ,'
4,*?7' /0' /#,-+1,+ 2L' /-' ,6,'6.+8*/+*+?' 7,'-, *-,1,+'
/0'7*6'0.* 70$' 1*+*6 ,-'0-/1'.'6* $.*/+2' 47*872'*+' &-' * 06'
0$-7,-' 4/-<62' 7,' '*6' 8/+68*/$62' $+<,-' 6$87' 8*-8$16 .+8,62'
7,' 8/$<' +/' 8/+*+$,' /' 0*' 3$' 4* 7' 7,' ?-,. ,6' <*6G
.<#.+ .?, L' +' 6$87' 8.6,2' .<<6' &-2' * 2' 65,.M*+?' /0'
7*16,0'*+' 7,' 7*-<' 5,-6/+2' 7,' 4*' '8.--=' 4* 7' 7*1' *+ /'
.'5-*#. ,' 6* $.*/+' 7.' .00,8*/+. ,' .+<?-. ,0$' . .871,+'
47*87' =/$-' &.B,6 =06' ?//<+,66' 0/-' .' /+?' 8/$-6,2'/0' =,.-6'
7.6'*15-,66,<'/+' 7*6' 1*+<2' .+<' 7.' $+.3. ,<' >,.'0/-' 7,'
,.6,' .+<' 7/+/$-' /0' =/$-' &.B,6 =06' /#,-+1,+' .+<' 0/-'
7,'5$3*8' 6,-#*8,2' 47*87' 7,' -$6 6' 4*' . 4.=6' ?/#,-+' 7*6'
8/+<$8 L

7*6' , ,-' 4.6' +/' 6//+,-' -,8,*#,<' 3=' 7,' *+?' 7.+' 7,'
6$11/+,<' 7,' '5,.M,-' /' 7,' -/=.' 8/6, ' ' 7,' *+?20E
7,'4-*,6' /' 7*6' +,4'. =2' '7.6' -,8,*#,<' 7*6' 1/-+*+?' 7,'
,N5,8,<' 5.5,-' 0-/1' &-' * 2 ,' *6' <,6*-/$6' /0'-, $-+G
*+?' .+' .+64,-' /' *' *+' 7,' 8/$-6,' /0' 7,'<.=2' .6' 7,'
8.++/' 3,.-' /' M,,5' .' 1.+2' 47/1' 7,' 3/7' /#,6' .+<'
-,65,8,22' $+<,-' .' 1/6' $+5 ,.6.+' 6 . ,' /0' 6$65,+6,2' 47,+2'
/+' 7,' -,.' 1. ,-' /0 7,' 8/11$+*8.*/+2' 7*6' &.B,6 =06'
/B**+*/+' *6' 1/6' 8/15 , ,=' .+<' $+. ,-.3 =' 0/-1,<' ,'
7,-,0/-,' *6' <,6*-/$6' /0' 6,,*+?' &-' '5,.M,-' /0' 7,' /$6,'
/0' (/11/+6' 7*6' 0/-,+//+2' .6' ,.-=' .6' &-' <<*+? /+062'
. ,+<.+8,' . ' *#*+,' 4/-67*5' 1.=' 3,' /#,-2' .+<' 7.' 7,'
4*' 7,+' 8/1,' 7,-,' *+' 7*6' 4. -*+?' <-,66 L0' 7,' -,6$' '
/0' 7,*-' 8/+0,-,+8,' 4.6' .' -,5 =' 0-/1' 7,' 0,*+?' /' 7*6' 0*-6

' , ,-6' 0-/1' 7,' *+?' /' /-<' ,+=/+' /+' *,' (/-/+.*/+' .7' <*,<' 3=' ,+-=' ** 5/ 62' *67/5' /0' N, ,-2' 55' 2' ' /+</+2' 9; :2' +<',<**/+ ' , ,46' *0,'/0'*<1/$ *2 - '*'5' ';

*+?6 /' 7*6 ,@$,--=2 7,' *+?2 /+' 7*6 .--*#.' .' ,42 <,6*-,< 7,' ,+,-.' /' 0/ /4' 7*1' /' 7*6 *3-.-=2 .+< /' -,.< /' 7*1'7*6 (/-/+.*/+'' .7' .#*+?' </+,' 6/Y' 'F7,-,2L'7,',N8.*1,<,N8*,<=2 '*6 7.'5/4,-'/+',.-7' /'.36/#,'1,'0-/1' 7,'<$,'/36,-#.+8,'/0' ,#,-='6,+,+8,' /0'7.'/.72 5.-*8$.-='7,'/+,'-,@$*-*+?'1,'/'1.*+.*+' 7,' -/,6.+'-,0/-1,<-,*?*/+S F.6'+/'1='0.1*='6,.,</+'7,'7-/+,'0/-'7.',N5-,66'5$-5/6,2.+<67.'' 3,'7,'0*-6'/'6$00,-'*'/'3,'$+<,-1*+,<2 5,-7.56'/#,-G $-+,<S /1'7.<-.7,-'3,?'1='3-,.<0-/1'</!-'/' </!-'7-/$?7/$'$-/5,'7.+'8/+6,+'/'.+='6$87'1,.G 6$-,L' 7,6,'4/-<62/0'7*6 .,'-,#,-,<-/=.'1.6,-' ,+,-.'.-7'6.*< 7,'4.6'-,.<='/'. ,6'*0'8.,< $5/+.<<*+?'7.'*+'7*6'5-*#.,'/5*+*/+''7,='/$?7'/' 3,'4-* ,+'*+' , ,-6/0'?/<L' +'.+/7,-'/88.6*/+2.0,-' 7.#*+?'-,.<7*6 (/-/+.*/+' .7'/'7*6'0.1*=2.+<*+G @$*-,</0'7,1'*0'7,='$+<,-6//<*2 7,' *+?',N8.*1,<Y' '0''#*/.,'*2''.1'+/'/+?,-',?.''/#,-,*?+'/0'7*6' 8/$+-=2 3$'*'0.6'/'7,' /$6,'/0''.#/=L0' 7,'7*?7'5/6'#.8.,<3='&-'*2 7,' *+?'*11,G <*.,='5-,66,<$5/+' <<*+? /+2 47/B'/+' 7,'5,'/0'7*6' /4+'67/-8/1*+?62'-,8/11,+<,<7*6''/#,-,*?+' /'87//6,' .'1/-,',*?*3,'1*+*6,-' 7,' *+?27/4,#,-2 4/$<.M,' +/'<,+*.'' .='=/$-'7.+<2L'7,'6.*<2 '$5/+'=/$-'7,.-2 .+<.6M'=/$-6,0'47,-,'' .1' /' $-+'0/-'6$55/-'*0' </'+/'6.+<3='1,L' <<*+? /+2 +/'</$32 4.6'#,-= .4M4.-<='6*$.,<' 7/$?7'<*00*<,+8,'4.6'.55.-,+ ='+/'/+,'/0' 7,'<*6.<#.+.?,6'47*87'7,'7.<' /'8/+,+< .?.*+6'7-/$?7'*0,2 7,'*<,'/0'6$5,-6,<*+?'.'6.,61.+' 6/'5-,0,1*+,+ ='0.1/$6'.6'&-'*2 8/$<68.-8,='0.*'/' 8.$6,'7*1'?-,.',13.--.661,+'&/-,/#,-2 7,-,'4,-,

I' .(;'*':(;;81":*-"(1';*/,'-(' (./' "/;(8-)'67' ,.*% *.-)'-),1'C.,-".,/' 0.(;'-),'1("#,'*1/'68#-%,'(0'-)"# =(.%/'*1/'+.,+*."12'*#),')8;6%7'-.8#-,/'0(.'*' 6,--,.D4 (%%(=3# ' '* ' /3 '<(%'"'++' L' '1(-,
0' (./' *%;,#68.73# "*.",#' $(%' "<' +' ' *./"1*% (.@' =*# #-"%% %"<"12' (-),.="#,')*.%,# ;*18,% ' 8@,'(0'*<(7'*1/' "12'(0'*./"1"*' =*# *-'-%""# +,."(/' ' $ '(.'.*-),.'67'),.,/"-*.7'/,#:,1-' "12'(0'.,*-'."-*"1' (' =*# 0"0-)' "1'/,#:,1-'0.(;' "12'/"*.",#-),' ".#-

5,-6/+.‘ 1/ *#,6 47*87 *+<$8,< 7*1‘ /‘ 67-*+M 0-/ 1‘ 6$5G
5 .+ *+?‘7*6 0-*,+<‘ * ‘ .+< <<*+? /+‘7.< +/ ‘ /+ =3,,+‘
.8@$.*+ ,<‘*+‘87* <7//<2 3$ 2 6*+8,‘ 7,+2 7,=‘7.<.66/8*. ,<
/+‘ #,-=‘ *+ *1. ,‘ ,-16‘ 7,*-‘0. 7,-6‘ 7.< 3,,+‘0-*,+<6
3,0/-,‘ 7,1‘ <<*+? /+‘ +/ ‘ /+ =‘ .=‘$+<,-‘ 5,-6/+.‘
/3*?. */+6 /‘ * 2 3$‘1.=‘. 1/6‘3,‘6.*<0 /‘7.#,‘3,,+‘
*+<,3 ,< /‘7*1‘0/-‘7*6 5/ * *8.‘ ,N*6 ,+8,‘ #,+ $. =2
7/4,#,-2 7,6,‘<*00*8$ *,6 4,-,‘1.6 ,-,<3=‘ 7,‘?,+,-/6* =‘
/0 * 2 47/ +/ ‘ /+ =‘.?-,,< 4*7 7,‘ *+?‘ 7.‘ * ‘ 4.6
<<*+? /+06 <$ =‘ /‘ .88,5‘ 7,‘ -,1*,-67*52 3$‘1.<,‘
7*1‘ 7,‘ /00,-‘ /0 7*6 0$ ‘*+0 $,+8,‘.+< 6$55/-‘ ‘ <<*+?G
/+2L‘7,‘6.*< /‘7*12 ‘ ‘6,,‘+/ 7*+?‘3$‘-$*+‘ *0=/$ 7,6*G
. , L‘ 7$6 5-,66,< .+< ,+ -,. ,<2 7,‘ '5,.M,-‘ =*, <,<
/‘ 7,‘4*67,6 /0 7*6 ' /#,-,*?+2 7/$?7 +/ ‘ 4* 7/$‘7.#*+?‘
<, *#,-,<7B16, 0 /0 8,- .*+‘1/<,6‘5-/ ,6 . */+62 47*87 * ‘
*6 +/ ‘ *15-/3.3 ,‘ 7.‘ 7,‘ .0 ,-4.-<6 -,8. ,< /‘1*+<
4* 7 -,?-, ‘ ,‘-,?.-<,<7*16, 02 7,‘ / < /-< -.+#* ,‘
,#,6/+2 .6 .‘ ‘6/-‘ /0 ‘ ‘L‘0/-‘ * 2 /‘ 47/BB.‘7,‘
67/$< 3,‘1/6‘7.55=‘ /‘ -,6 /-,‘ 7,‘ -,*+6 /0 /#,-++B,+‘
47,+,#,-‘ 7,‘6.8-*0*8,‘ 1*?7‘3,‘<,1.+<,<.‘7*6 7.+<6 ‘
7,‘0/ /4*+? , ,-6 .-,‘ *+ ,-,6 *+?2 .6 3,.-*+?‘ $5/+‘
7,‘ *+?06 5-,6,+‘<*00*8$ *,6 .+<‘<*6 -,66

‘: ‘ ‘ ‘" ‘ ‘ /

‘GA &C‘ A 0 ,3‘% -H"‘9; 9‘ é
‘ 7,‘ *+?*6 //‘ 1$87*15-,66,< D4*7 7,‘ 6/ *<* =‘ /0 7,‘
.-‘ /0 F,6 1/-, .+<06 /5*+*/+‘ /+‘I 7,‘$+7.55=‘ @$,6*/+‘47*87
7.6 8.$6,< 1.+=‘ /0 7,‘ 1*+*6 -=‘ /‘ -, *-,2 .+< 5.-*8$.-=‘ 7,‘
/+,‘ J&-‘ * V *+‘ 47/1‘ 7*6 &.B,6 =2 +/ ‘ /+ =‘ 0-/1‘ ,6 , ,1‘0/-‘
7*6 . ,+62 3$‘-, .‘ .00,8*/+2 5 .8,<7*6 87*,0 8/+0*<,+8,2 /‘ 7.#,‘
7,‘ ,.6‘</$3 ,</0 7,‘ /-< -*0#=‘ ', .‘ /+‘ 7,‘5-,6,+‘/88.6*/+‘ 6
7,‘ *+?<*< +/‘6,,‘ 7,‘ .-‘ /0 F,6 1/-, .+< .6‘4,,M2 7,‘<,6*-,6
3,‘4*‘8.‘7,-,‘*+‘7*6 1/-+*+?<-,66 .‘7-,,‘7*6 <.=

Q‘ # !) ‘ D-

I‘ (./‘ *%; ,#68.73# "*.",#‘<(%‘"<‘+‘
-‘ ."2"1*% ‘ /‘ ‘:(+7 2"<,1‘67 (./‘E,#-;(.,%*1/‘-),1‘ (./‘ ."<7 ,*%‘
-(‘ ".‘BE"‰"*"+‘ (=-),.‘*0-,.=*./# *.%(0 (1#/*%,‘),‘ "123#%,--,.‘"# "1‘.,+%7

U W

: + &

C -"# ,<,.* #*-"#0*:-"(1 -(; ,-(:(; ;81":*-,="-) 7(1 (1 +*+,. *#)*<, 1(- -) , :(;0(.- (0 6,"12 *6%,-(/("- +,.G #(1*%%7

C 1 810(.-81*-, (+"1"(1 " ; +%*1-,/ "1 -%", ; ;"1/ (0 . "-- 67 +,.#(1#"1 1(=*7 0.",1/#-((8.)*++7)8.:) *1/ -*-, #-*6%"#)G ; ,1- -(6."12"1 * "%% ,1*6%"12 "##,1-,.# -( )(%/ (00":,# =")-)(8- -*@"12-) , ,#- :- *1/ .,+,*%"12-) ,%*= (0!)*.%,# =":) +.,:%8/,# *+"#-#0.(;#"--"12"1 *.%"* ; ,1-)*# ; */ ; ; .,%8:-*1-%7 +,. ; "-)" :- -(.,-".,0.(; ; 7#,.<":, 7#,1#, (0 ; 7 (.(1*-"(1 *-) (0-) , :(; +*:- (1 =)":) ; 70* ; "%7 =*# "1<"-,/ -(; (81- -),P -%".(1, *1/ -) , :- (0R1"(1 ="-) :(-%*1/ +.,:%8/,/ ; , 0.(; 1(- (++(#'12 #8:) *1 (+"1"(1)*<, +,.#8*/,/ .I //"12-(1 -(#8:.,,/ . "-- *1/ :*1 *##8., 7(8)"# *--*:) ; ,1- -(-),)8.:) "# *# #'1:,., *# ; "1, *1/ 7(8 ; *7 /,+,1/ (1)"# ,A8*% *--*:) ; ,1- -((8.)*++7 :"<"% :(1#-"-8-"(1 *1/)"#6,"12 1(*/G ; "., (0 *17 .,0(. ; # (. #8++(#,/ " ; +.(<, ; ,1-#

C 0,,%)*<, /(1, ; 7 /8-7 *1/)*<, -), +%,*#8., -(*/ -)*- *%% -) , ; (#- .,#+,:-*6%, "1 6(-) (8#,# (0 *.%"* ; ,1- +.(; "#, -),".=*. ; ,#- #8++(.-? *1/ =)*- ; *7 *++,*. (/ -((1, *6#,1- . I "-= %% 6, * =*. ; 30.",1/ -(; 7 1,= / ; "1"#-.*-"(1

C (! " " # $
$1 T , 0 / "3

7, 0/ /4*+? , ,- 0-/1 7, *+?05 0.#/$-* , 6/+ 1$6 </$3 ,66 7.#, .00/-<,< 7*1 1$87 6. *60.8*/+ Y

03% O % :

$'* B N /(0 < ," -U /9; 9

C)*<, -),)(1(8. -(.,-8.1 7(R. *5,#-7 -), +*+,.# =)":) 7(8 =,., 2.*:"(8#%7 +%,*#,/ -(*%%(= ; , -(+,.8#,

C 0 ; 7#,1-" ; ,1-# 8+(1 -), A8,#-"(1 (0 *-)(%": ; *1:"+*-"(1 *1/ (0 -), ., +,*% (0 -), ,#- :-)*/ 1(- 6,,1 *%.,*/7" ; ; 89

-((1,0.(; (./ E,#- ; (.,%*1/ "1 =":)),) */ *+(%(2"V,/ 0(. 1(-)*<"12 *--,1/,/ -),%*#- %,<,, (. /.*="129.((; (1/ ,>+.,##,/)"# /8-7 -( )"# *5,#-7 (./ E,#a9 1"(.,%*1/ =*# (++(#,/ -(*-)(%": ; *1:"+*-"(1 *1/ :(1#,A8,1-%7 ., ; *"1,/ "1 (0%%:,(1 . "--.,-."12 0.(; -), ., ; ",.#%8+
I ,1-%,73# "#:,%%*17 <(% >>7" +L L

F ' X ' ' ' ' U

-*6%7' 0'>,/' -),' *.28 ;,1-# */ /8:,/' "1' 0*<(8.' (0' -),' ' ;,*#8.,' =(8%/' *%(1,')*<,' 6,,1' #800":",1-' -(')*<,' :(1<"1:,/' ;,' (0' -),' /*12,.' "0' 1(-' (0' -),' *6#(%8-,' :,.-*"1-7' (0' -),' /.,*/08%:(1#,A8,1:,#' (0' "-# 6,"12' :*..",/' "1-(',>,:8-"(1

<' ')*<,' -),')(1(8.' -(' 6,' ".

C' (8.' *5,#-73# ;(#-' /8-"08%#(1' *1/' #865,:-

D' #' ! 0 60 G' Q

Q' ,--,.#0.(;' ,(.2,' '-(' (./' ,17(1'+' U

(' "

,-8.1# (0' -),' "123# ; ,1-*% /,.*12, ; ,1-' 4' ,' *--."68-,# -), ;'-(' "--3# *2"-*-"(1' (0' -%":' *-)(%":' ,%",0' "%% 4' (1/8:-' (0' -),' ."1:,' (0' E *%,# *1/' -%",' 8@(' (0' (.@' /8."12')"# "%%1,## 4' "# "1-,.<",=# ="-)' -), ;' 4' "--3# .,#8 ; +-"(1' (0' -),' ., ;",.G #)"+' #822,#-,/' 4' //"12-(1' /"#"1:%"1,/' -(' .,-".,' 4')(' "123# (00,.' (0' ! ' -(=*./# -),'+*7 ;,1-' (0' "--3# /,6-# 4),".' 0*.,=,%% "1-,.<",=' 4'),' 1,=' "G 1"#-.7' 4 ,#:."+-"(1' (0'*' ."<7' (81:"%

6' 4.6' 6. =' 7,' 8.6,' 4* 7' ,/-?,' 7,' 7*-<' *+' *1,6' /0'?-,.' ,N,* ,1,+ 2' <*6 -,66' /0' 1*+<' *+<$8,<' ! *6,.6,' /0' 7,' 3/<=' +' -*<.=2' 7,' 9 7' /0' ,3-$.-=2' 47*87' 7.55,+,<' /' 3,' .' 0.6' <.=2' 7,' *+?2' /+' 7*6' -, $-+' 0-/1' . ,+<*+?' *#*+,' ' ,-#*8,2' 8/15 .*+,<' /0' 6$00,-*+?' 0-/1' ,N8,66*#,' 87* G *+,662' 47*87' 4.6' 0/ /4,<' 3=' .+' . .8M' /0' 8-.15' 7.' .00,8 ,<' 7*6' 47/ ,' 3/<=' 7,' +,N' 1/-+*+?2' 7/4,#,-2' *0' 4,' 1.=B$<?,' 0-/1' 7,' 0/ /4*+?' +/ ,2' 7,' 4.6' 3, ,- Y

'): ' ' ; ' 2

) "7)

'[C'GA 1C' & '" (' ' ' ;' 1*+$,6' 5.6' '%

C' %""#' "#' -(' *:A8*"1-' .' //"12-(1' -)*-' -),' #,<,."-7' (0' -),' =,*-),.')*# ,12*2,/' 8# *%% -(' .,;*"1' "1' -(=1?-),.,0(.,' "0' -),.,' "# *17-)"12' .,A8".,/' (0' ;,'),' ="%% @1(=' =),.,' -(' #,1/

C')"# "# -),' *11"<,.#*.7' (0' -),' *.% (0' -' $"1:,1-3# <":-(.7' S' #)(8%/' -)"1@ "-' =(8%/' 0%*--,.')" ;' ;8:)' "0' .' //"12-(1' =(8%/' /,#'.,1')" ;' -(' :*%% (1' ;,' 17')(8.' -)"# 0(.,1((1' ="%% 6,' +,"3 0,:-%7' :(1<,1",1-' *# ' #)*%% 1(-#-".' 0.(;')(;,D-'

I' (./' *%;,#68.73# "*.",#'<(%' "<'+'

-' ,%%,=B# "0,' (0' (./' "/;(8-6'<(%' "' +' ! '),.,' "# "1' -),' 8:@%*1/' (.,,#+(1/,1:,'*' %,--,.'0.(;' (./' 8:@%*1/' /*-,/'5' 6 '"1' =)":)'-),' C',>:,%%,1-' "12D "# .,+.,#,1-,/' *# "1' *')"2)' #-*-,' (0' 0,<,.' *1/' C#,."(8#%7' *1/' *%*.,;"12%7' "1/"#+(#,/D %""#')(=,<,.' "# :%,*.%7' *1' ,..(.' (0' /*-,' =)":)' (82)-' "1' *%%' +.(G 6*6"%"-7' -('6(' ' ! 23 % ' 4 & 3 '<(%' "<'+' !

@$*,'4.6 47.'' 4.+ ,<2 .+< 7.'' 1$6'7.#, L Y' 6 /' 1=' 8/ <2C 6.*< 7,' *+?' /' /-< (7. 7.12 /+' 7,' 72 '*'*6 4, I' ' ' ' ' ' ' ' ' ' ', "23 ' ,#,- *, ,662 /-< </+2 /+' 7.'<.=2 +/'/+ ='0/$+<7*1' .6 -. */+.' .+< 8/ ,8 ,< .6 7,'7.< ,#,-' M+/4+' 7*12 7$ 2 .6 7,' / < /-< (/87,6 ,-2 7,'7.< +,#,-' '7,.-< -$,-' 4*6</1' $5/+' .+= 6$3B,8 2 7.+' 0-/1' 7,' *+?' *+' 7.' .$<*,+8, L' ,0,--*+?' /' /-< </+' 7.#*+?' *' *+' 8/+G ,15 . */+' .' /+8,' /' -,6*?+' 7,' (7*,0'A$6 *8,67*5' /0' 7,' (/11/+' ,.62 *+' /-<,-' '0.8** . ,' <<*+? /+05 1*+*6G ,-*.' .--.+?,1,+6Y' ' .=2 1=' /-<2L' 6.*< 7,' *+?' /' 7*12 $ * ' =/$' 7.#,' 7,' ',. 62 3,0/-,'=/$' 5.-' 4* 7' =/$-' (7*,0'A$6 *8,67*5 L'A

' 1.=' 3,' 1,+*/+,< 7. 2 *+' 8/+6,@$,+8,' /0' 7,' *+?' 8/1BX .*+*+?' 1$87' /0' 4.+' /0' 6 ,,52 7,'4.6 5,-6$.<,< 3=' <<*+? /+' /' $6,' .' 5* V54' 0* ,< 4* 7' 7/562[' .+' *+8*<,+' /+ =' 6/' 0.-' 4/- 7' -,8/-<*+?' 7. 2 *+' 8/+B$+8 */+' 4* 7' 7,' 0.8' /0' 7,' &*+*6 ,-05 0. 7,-' 7.#*+?' 3,,+' .' 57=6*8*.+2 *' /3 .*+,< 0/-' 7*1' 7*6 8, ,3-. ,<' +*8M+.1,' /0' ' 6 ! ' 4.6 /+' -*<.=2 7,' 72 7.' 7,' *+?05 .00,8 */+. ,' .+< .00,8 *+?' 4.=' /0' . M*+?L'0*-6' ,< <<*+?</+' /' 6$6G 5,8' 7,' -,.'B*. $-,' /0' 7*6 <*6/-<,-I .+< .88/-<*+? ='7,' 4.6 +/' . /?, 7,-' .M,+' 3=' 6$-5-*6,' 47,+2 /+' 7,'0/ G /4*+?' <.=2 7,'6.<*+ , *?,+8,04.6 8/+#,=,< /' 7*1' 7.' 7,' *+?' 4.6 *+' .' 7*?7'0,#,-2 .+< 7.' 7,'6,-#*8,6 /0' 7,' =/$+?,-' -' F* *6 4,-,' *15,-. *#, =' -,@$*-,< fB *6G -,66*+?2 7/4,=,-2 .6 4.6 7*6 .88/$+2 7,' *+?' 4.6 4, ' ,+/$?7' /' -,8,*#,'7*6 &*+*6 ,-' /+' 7,'0/ /4*+?' <.=2 47,+2 .88/-<*+?' /' <<*+? /+05 -,B*/-' /' &-' * 2 7,'0/$+<7*6 &.B,6 =05 1*+< 1$87' <,-.+?,< /+' 6/1,' 6$3B,8 62L' 3$' '.55.-,+ ='8/ ,8 ,<'*+' / 7,-6 L'E' 7,'?-,.'67.-,' 47*87

I' (./' (%:),#-,.3# "*.",#'<(%'"'+' U!' J ;"/'+' UL -' 6"/' UU' Z :(' ,%%(=3# R,'(0' (./' "/;(8-)'<(%'"'+'! %# %"(' (<' .' E"%%"#'-),',%/,.' =*# 1(-' #8;;(1,/'-(' *--,1/'-),' "12'-"%%'-),' L-) 4 (./'4)'0 '<(%'"'+' UL M (./' *%;,#68.73# "*.",#'<(%'"<'++' ' 'U' (#,3# "*.",#'<(%'"'+'! ' ! '! !

<*6 -,66 /0 1*+< .+< .+N*, =7.<7.<*+8.$6*+? 7, *+?06 1. .<=20 4.6 1.+*0,6 ,< 3= 7, .+?$.?, 47*87 ,68.5,< 7*1*+7*6 <, *-*$1 . . .1 3, ,-+/42L7, ,N8 .*1,< /+ /+, /88.6*/+2 O)Y 7, 57=6*8*.+62L 4-* ,6 /-< &. 1,63$-=2 </ +/ 68-$5 , / 6.= 7. 2 . 7/$?7 7*6 &.B,6 =8,- .*+ =7.< .3.<8/ <2 .+< 4/$ < $+<,- . 8*-8$16 .+8,6 7.#, 3, ,+* 2 =, 7. 7, 7$--= .+<#,N. */+ /0 . 7. 7.6 5.66,< 4.6 7, 8.$6, /0 7*6 1,+ . * +,66 L

F7. ,#,- 1.=7.#, 3, ,+ 7, *+?06 8/+<**/+ *+ 7, *+ ,-#. 3, 4, ,+ '$+<.=2 7, +< /0 ,3-$.-=2 .+< &/+G <.=2 7, +< /0 &.-872 8,- .*+ * *6 7. 2 /+ 7, .0 ,-G +//+ /0 7, .6 0+.1,< <.=2 7, 7.< 3,8/1, 6/ 1$87 45-6,2 .6 /* *+<$8, 7, 57=6*8*.+6 /6$??,6 7. 7, /=. . 1* =67/$ <3, 5-,5.-,< /,N5,8 7, 4/-6 7. 1*?7 7.55,+ .55* =2 7/4,#,-2 <$-*+? 7, ,+6$*+? +*?7 7, *+? 4.6 3 ,66,< 4* 7 6,#,-. 7/$-6 /0 -,0-,67G *+? 6 ,,52 7, -,6$ /0 47*87 4.62 7. 47,+ 7, .4/M, 7, 0/ /4*+? 1/-+*+? * 4.6 4* 7 7*6 0,#,- ?-,. = .3. ,<2 .+< 4* 7 7*6 5$ 6, -,<$8,< 0-/1 7, -. , /0 . 7$+<-,< .+< 7*- =06*N /,*?7 =00/$- 6-/M,6 /7, 1*+$, , 4.6 .0-.*<2 7, 6.*<2 7. 7,2 7.< 3,,+ *+G <*65/6,< 0/- . 8/+6*<,-.3 , *1,2 .+< /+ 3,*+? / < 7. ,*?7 <.=6 7.< , .56,< 6*+8, 7, 7.< 3,,+ .M,+ *H2 7, 1.<,+/ / 7,- -,1.-M 7.+ 7. 7, 0, 7*16, 0 1$87 3, ,- *+<*+? 7*16, 0 *+ . 6-.+?, 3,<2 7, *+@$*-,< / 47/6, .5.- 1,+ 7, 7.< 3,,+ -,1/#,<2 .+< /+ 3,*+? *+0/-1,< 7. * 4.6 7, -*+8,66 &.-=062 ,NG 5-,66,< 7*6 -,?-, . 7.#*+? 3,,+ 7, 8.$6, /0 7,- 3,*+? <*6 $-3,< 7, 0*-6 /-<,- 47*87 7, *66$,< 4.6 0/- 7, -/=. 57=6*8*.+6 / . ,+< 7*12 *+ /-<,- 7. 7,=1*?7

K (./ *%;,#68.73# "*.",#'<(%'"<'+' 8:)'*%#(' =*# -%","(+"1"(1'(0-),'+)7G #":"*1# =)(' =,.,'#86#,A8,1-%7',>* ;"1,/'6,0(.,'*' (;;"--,,'(0-),' (9(#,'(0 (;;(1# "1' ? 1*;,%7'-)*-'-),' "123# +.,<"(8# "1#*1"-7 "1' '=*# (::*#"(1,/'67'-),' ,>:"-,;,1-':(1#,A8,1-'(1' .' "--#'.,#"21*-"(1')"#+(.-'(0-),".',<"/,1:,')(=,<,.' "-'=(8%/'*++,*.'=*# ,>+812,/'6,0(.,'-),' ,+(.-'(0-),' (;;"--,,'=*# %*"/'8+(1'-),' -*6%,'(0-),' (8#, 4K4 '4'9 '98D ,=/'<(%'""'+'!U

6. *60=' 7,16, #,6' 7/4' ,N8, ,+' .' +*?7' 7,' *.< 5.66,<'
7,' +,46' /0' 7,' 0,#/$-.7 ,' $-+' 47*87' 7,' *+?06' <*6G
/-<,-' 7.< .M,+' 4.6' +/' 6//+,-' 1.<,' M+/4+' /' 7,'
5$3*82' 7.+2' .6' /-< &. 1,63$-='*+0/-16' $62' $8M*+?7.1'
/$6,' 4.6' 6$--/$+<,< 3=' .' /=.' 8-/4<2' 47/' 1.+*0,6 ,<
7,' $ 1/6' B/=' .' 7,' 8/+#. ,68,+8,' /0' 7,*-' 3, /#,<
'/#,-,*?+

7,' -,.<,-2' 47/' 1.='B ,1,13,-' 47.' 7,' 8/+<$8' /0'
7,' -*+8,' /0' F. ,6' 7.< 3,,+' <$-*+?' 7*6' 0. 7,-06' 0/-1,-'
. .-1*+?' * +,662' 4/$< </$3 ,66' 3,' 5 ,.6,< /' 3,' / <
7.' 7,' 4,#,' =,.-62' 47*87' 7.< 6*+8,' , .56,<2' 7.<
4-/$?7' 6/1,' *15-/#,1,+2' *0' +/' *+' 7*6' 6,+6*3** =2'
.' ,.6'*+' 7*6' ?//< .6 ,' '*6' /'3,'0,.-,<2' 7/4,#,-2' 7.'
7*6' 4.6' +/' 7,' 8.6,' /-' *+6 .+8,2' .0' 7,' *1,' 47,+'
7,' *+?06' 1. .<=' 4.6' +,.- =' .' * 6' 4/-62' 4,' 0*+<' 7,'
-*+8, Y*+6 ,.< /0' <,8,+ZA=' 5.66*+?' 7*6' *1,'*+' 8/15.-.G
#,' 6,8$6/+Y.55.-,+ =' ,N7*3** +?' 7*16,0' 1/-,' 0-,G
@$,+ =' 7.+' ,#,-'*+' 68,+,6' /0'<*#,-6*/+' .+< 5$3*8'-,6/-'
+' 7,' W+< /0' ,3-$.-=2' /-< &. 1,63$-=' 65,.M6' /0'
<.+8*+?' .+< 6*+?*+?'?/*+?' /+' .' 7*6' *1,'.'(.- /+' /$6,2'
.+< /+' 7,' ,#,+*+?' /0' 7.'<.=2' '$+<.=2' 7,' -*+8,' 4.6'
8,-.*+ ='5-,6,+'.'.'8/+8,-'?*#,+'3=' 7,'8, ,3-. ,< .<='
.1* /+' '9 V8 f' & ' ' 0 ' 7,'*6' 6.*<
/' 7.#,' .6M,< /0' 7,' -,+87' ,NO&*+*6 ,-2' ' '7 '
' '4 ' '= B 4' ' 7,' -*+8,2L' 4-*,6' .<='
.-8/$-2' '7.<3,,+'#*6** *+?' .<=' .1* /+2' 47,+' 1,, G
*+?' &'<,' (. /++,Y47/'.6M,<7*1'7/4' 7,' <+?'<*<Y7,'
.+64,-,<2' P) '4 ' '= @LZ' &/-,/#,-2' .6' /+' 7,'
/88.6*/+' /0' 7,' *+?06' 0/-1,-' 1,+.' 1. .<=2' 7,' -*+8,2'
+' 65,' /0'. ' ,#*<,+8,' 47*87' -,.87,< 7*1' /' 7,' 8/+ -.-=2'
6,,16' /' 7.#,' 3,,+' /+,' /0' 7,' .6' 5,-6/+6' /' .<1*' 7,'
0.8' /0' 7*6' 0. 7,-06' 8/+#. ,68,+8,' #,+' 6/' . ,' .6' 7,

I' %"(./' *%;,#68.73#' "*."',#' <(%' "<' +' ' (./' (%:),#-,.3#' "*."',#' <(%' "'
++' L' L' (#,3#' "(.",#'<(%'"'++'! U'! L
-' (./' *%;,#68.73#' "*."',#'<(%' <'++' L'
-' */7' *.:(8.-3#' ' "*.7'? "1' *##,73#' "#-(.7'(0' 12%*1/'<(%'"<+'L

_ 7' /0' &.-872' 47,+' . ' 4.6',/+?-. $. */+' D$+<,-' 7,' *+?06 -//02' 7,' / < /-< .-+ ,=' 7. 2' 47. E,-' 7,' 6 . ,' /0' 7*6' 0. 7,-06' 3/<* =' 7,. 7' 1*?7 ' 3,2' 7*6' 1*+< 4.6' ' 8/15 , , =' <,-.+?,< 1/6 ' $+0,, *+?' .+?$.?,2' *0' -$,2L' D4-* ,6 /-< &. 1,6 1-=2' 3$ ' * ' *6' +/ L ' +' 5/ * *862. 6/2' 4,' 0*+< 7*12' .M*+?' 6/' ,N -`1,' .' 5.-' .?.*+6 ' 7*6' 0** 3,006' /#,-+1,+ 2' .6' /' 8, ,3-. ,2' /+' 7,' 9 7' /0' ,3-$.-=2' 7`' 8/+#,-6*/+' /' $ -.0 *3,-. ' 5-*+8*5 ,6' ,0' /-<6' (/4E5,-' .+<0 .-+ ,=2' 3=' *+=* *+?' 7,1' /' <*++,-' . ' (.- /+' /$6,' *6' .+?$.?,L' 4-* ,6' /-< &. 1,63$-=2' '*6' 6$87' .6' 4/$ < 3, ,-' 3,8/1,' .' 1,13,-' /0' 7,' 55/6* */+' 7E+' 7,' 7,*-' /' 7,6,' M*+?</16 L' 0

/- $+p , =' 0/-' 7,' *+?06' 5,.8,' /00' -7*+<2' 7,' 7.< 7,' ?-,. ' 6. *60.8 */+2' /+' -,8/#,-*+?' 7*6' -,.6/+2' /0' ,.-+*+?' 7. 2' 7/4,#,-' *+<*00,-,+' 7.< 3,,+' 7,' -,8,+' 8/+<$8' /0' 7*6' 7,*-2' 7. ' /0' 7,' $M` /0') /-M' 7.< 3@E+' . ' 7. ' 7,' 8/$ < <,6*-, ' 7,E' $M,2' 7.55* =2' 7.< +/' 6//+,-' 4,.+,< 7*16, 0' 0-/1' 7,' *+0 $,+8,' 47*87' 7*6' 3-* *.+ ' , <,-' 3-/ 7,-' 7.< /+?' ,N,-8*6,< /#,-' 7*6' 1*+<2' 7.+' 7,' 3,?.+' /' .55-,8*. ,' 7,' #*- $,6' D.+< /' #. $,' 7,' .00,8 */+' /0' 7*6' 7*?701*+<,< 5.-,+ ' ' 7,' $M,E' /0') /-M2L' 4-* ,6' /-< &. 1,63$-=' /+' 7,' 99 7' /0' ,3-$.-=2' '-,1.*+6' 0*-1' /' 7,' *+?2' .+< *6' .6' <*68-,, ' *+' 7*6' .+?$.?,2' .6' 5-/5,-' *+' 7*6' 8/+<$8 L' ?.*+2' 7*6' /-<67*5' 4-* ,6' /+' 7,' K 7Y ' $M,' /0') /-M06' 3,7.#*/$-' *+8/15.-.3 , ' ,' *6' 7,*-' ?-,. ' .+< /+ =' 8/1G 0/-' .+< 6$55/-' . ' 7,' Q$,,+06' /$6,2' .+<2' 4* 7/$ ' 7*6' 1.+ =' 1*+< .+< .<#*8,2' +,* 7,-' 7,' Q$,,+' +/-' 7,' -*+G 8,66,6' 4/$ < 3,' .3 ,' /' 3,.-' $5' $+<,-' 7,*-' 5-,6,+' <*6 -,66 L' ' /' .66*<$/$62' *+<,,<2' 7.< 3,,+' 7,' $M,' *+' 7*6' . ,+<.+8,' . ' 7,' . .8,2' .+< 6/' 6,+6*3 =' 7.< 7*6' 0,, *+?6' 3,,+' .00,8 ,< 3=' 8/+6 .+ =' 4* +,66*+?' 7,' 6$00,-*+?6' /0' 7,' *+?2' .+< 7,' <*6 -,66' .+< .+N*, =' /0' Dk**6 1/7,-' .+< 6*6 ,-62' 7. ' 3=' 7,' ,+< /0' 7,' 1/+ 7' 7,

7.#,' $-+,< 7,' 8/+#,-6. */+' /' 7,' 4/' 6$3B,8 6' +,.-,6 0'
/' 7*6' 7,.- Y (. 7/ *8' 1.+8*5. */+' .+< 7,' -,6*?+. */+'
/0' &-' * Y3$' 7,' $M,' -,65,8 0$ =' 87,8M,< 7*1'
' '*-2L' 7,' 6.*<2' '6*+8,' 7*6' 5/*+ 2' 47*87' 7.6' ?*#,+' =/$-'
&.B,6 =' 6/' 1$87' $+,.6*+,662' *6' 6, ,<2' *' *6' 3, ,-' +/4' /'
0/-?,' . ' 7.' 7.6' 5.66,< L' ') /$' .-,' -*?7 2' @$* ,' -*?7 2'
-,<,-*8M2L' 6.*< 7,' *+?f 47/' + 4' 3,?.+' /' 1.M,' *+G
@$*-*,6' .6' /' 47.' 7.< 7.55,+,< <$-*+?' 7*6' * +,66' +8,'
1/-,' 7,' $M,' 5-/ ,6 ,< .?.*+6' 7*6' .?* . *+?' 7*16, 0' 3='
8/+#,-6*+?' /+' ,N8* *+?' 6$3B,8 62' 3$' /+' 7*6' /88.6*/+' /'
* ,' 5$-5/6,' ' -,<,-*8M2L' 7,' 6.*<2' '=/$' .-,' 1/-,'
+,-#/$6' 7.+' ' .1' ' -,. =' 0,,' @$* ,' 4, 2' .+<' '! '
4' ' ' ' ' ' 5' 1/+?' / 7,-' @$,6 */+6'
47*87' 7,' 5$' /' 7,' $M,2' 7,' *+@$*-,< 7/4' 7,' 7.< 0/$+<
7,' Q$,,+' .+< -*+8,66,6f .' 7,' 6.1,' *1,' 7.+M*+?' 7*1'
0/-' 7,' .00,8 */+. ,' 8.-,' 47*87' 7?' 7.< .M,+' /0' 7,1'<$-*+?'
7*6' * +,662' .+< /36,-#*+?' 7.' 7,' 0,.-,< 7,=' 7.< 6$00,-,<
1$87' $+,.6*+,66' /+' 7*6' .88/$+' 7,=' 8,- .*+ =' <*<'
'*-2L' -,5*,< 7,' $M,f 3$' 7,' /+ =' $+,.6*+,66' +/4'
-,1.*+*+?' /+' 7,*-' 1*+<62' .+< /+' . ' /$-' 1*+<62' *6' ,6'
=/$-' &.B,M=' 67/$ <2' .6' =/$' ?,' 4, 2' +/' .M,' 6$00*8*,+'
8.-,' /0' =/$-6, 0 L' 7,' *+?' 6,,1,< /' 3,' 8/+6*<,-.3 ='
.00,8 ,< 3=' 7,6,' 4/-<6' ' 4* 2L' 7,' 6.*<f =/$' 1.='
<,5,+<' $5/+' * ' ' 7.#,2' ' 0,.-2' +,? ,8 ,< 7*6' //' 1$872'
.+< 5-,6$1,<.' ?-,.' <,.' 1/-,' 7.+' ' /$?7' /+' 1=' 8/+G
6 * $ */+' ,' .66$-,<' 4* ' 3,' 1/-,' 8.-,0$' 0/-' 7,'
0$ $-, L' 7*6' <.=' F* 3,-0/-8,' *+6,-6' *+' 7*6' *.-=2'
7,' *+?' ?-.<$. =' ?, *+?' 3, ,-' #,-=' 8. 1' .+<
-,6*?+,<2' /+' -, *?*/$6' ?-/$+<6 L'0' <<*+? /+' .6/2' 47/'
7.< .+' *+ ,-#*,4' 4* 7' 7,' *+?' /+' 7,' 99 72' 0/$+< 7*1'
.6' 8. 1' *+' 7*6' 1*+<2' .+< .6' 0*' /' 8/+<$8' 3$6*+,662' .6' .'
.+=' *1,' 3,0/-,' 7*6' * +,66' 0' 7,' /$87*+?' .00,8 */+2'
47*87' +/' /+ =' 7*6' /4+' 0.1* =2' 3$' 7*6' 6$3B,8 6' ?,+,-. =2

f' (./' *%;,#68.7B# "*.",#' <(%' "<' ++' !!' !U'
-' "0,' (0' E"%6,.0(.(,' <(%' """' +'

7.< 1.+*0,6 ,< 0/-' 7*1' *+' 7,' 6,.6/+' /0' 7*6' .0Q*8 */+' 7,' <*68/$-6,< 4* 7' ?-,. ' 6,+6*3* * =

' 0 3 % ' ' O %' ' ' + &' '

$,' E ! ' . ! ' 4 ' " ' DA%/ ' 0 ; ' I '

< ' ') *<,' .,:,"<,/')"# *5,#-73# :(; ;*1/' -(' ,>+.,## -(' 7(8.' %(./#)"+')"# -)*1@# 0(.' 7(8.' %,--,.' (0-),' #">-,,1-)' (0 %*#-' ; (1-) 4' =)":)' 0.(;')"# *5,#-73# "1/"#+(#"-"(1' :(8%/' 1(-' 6,' /,%"<,.,/' -(')" ;' -"%%' -),' /*76,0(.' 7,#-,./*7 4 *# =,%%' *# -%",' #*-"#0*:-"(1' -' 2*<,')" ;' -(' 0'1/' -)*-' 7(8.' %(./#)"+3# #,1-" ;,1-# :("1:"/,/' #(' :(; +%,-,%7' ="-)')"# (=1' 8+(1' -),' A8,#-"(1' (0-),' ; *1:"+*-"(1' (0-),' *-)(%":#

C' 1(="12' 7(8.' %(./#)"+3# /,<(-,/' *--*:) ;,1-' -(')"# *5,#-7' ' *;' :(1<"1:,/' (0-),' 5(7' "-' ="%% 2"<,' 7(8.' %(./#)"+' -('),*.' (0')"# *5,#-7' 6,"12' #(' 1,*.%7 .,:(<,.,/' -)*-' ' -.8#-' *' <,.7' 0,=' /*7# ="%% .,#-(.,')" ;' -(' +,.0,:-'),*%-)

C -' 2"<,# ;,' 2.,*-' #*-"#0*:-"(1' -(')*<,' -)"# (++(.-81"-7' (0' *##8."12' 7(8.' %(./#)"+' (0-),' .,2*./' *1/' ,#-,.,;' =")' =)":)' ' * ;

C' 7' /,*.' (./' "#)(+' 7(8.# ; (#-' #'1:.,%7

C' -

' 1 ')1 ' 3 / &' ' 1 ' /' ' 1 L' 0' @ /K /0
E (3 9' 4 '

+' F,<+,6<.=2' 7,' 99 7' /0' &.-87E' 7,' *+?' .<1* ,< 7,' -*+8,' /0' F. ,6' /' .+' *+ ,-#*,4 1' -' 7/1.6' F* *62' .55.-,+ =' 0/-' 5-,8.$ */+.-=' -,.6/+62' -,1.*+*+?' *+' 7`' .5.- 1,+' <$-*+?' 7,' 47/,' *1,' /0' 7,' -*+8,06' 6 .=' 7,' *+?2' .6' 7,' -*+8,' / < 7*6' 0-*,+<' 'A.8M' L' .=+,2' +/4' <1*-.' .=+,2' 7.< ?-/4+' 7*++,-' 1' 7*6' 8/15 ,N*/+' 7.< /6' 1$87' /0' * 6' -$<<*+,66' 1' 7*6' ,=,6' 4,-,' .' ?//<,.' .00,8 ,<' 7,' *+?2' *+' 7,' 8/$-6,' /0' 8/+#,-6. */+2' 7.5G 5,+*+?' /' ,N5-,66' 7*6' ?-. *0*8. */+' . ' 7,' +$13,-' /0' 5,-6/+6' /0' . ' 5/ * *8. ' 5.- *,6' 47/' 7.< 4-* ,< </4+' 7,*-' +. 1,6' . ' 7,' . .8,' <$-*+?' 7*6' * +,66 Y 0),62L' 6.*< 7,' -*+8,2' '7,' 3,*,#,< ,#,-=3/<=' 7.< 3,,+' /' 7,' Q$,,+06' /$6,' 47/' 8/$ < ,* 7,-' ?/' /-' 3,' 8.--*,< L' '7,-*<.+2' 6.*< 7,

I' (./' (%:),#-,.B# "*.",#' <(%' "' +' L!' -' ,1-%,73# "#:,%%*17' <(%' >><"' +' L L
#'

+,4 1*+*6 ,-*. .55/*+ 1 ,+ 6+/ 7.#*+?3,,+=, 8/15 , ,< .+< ?.>, ,<4.66 * #*- $. = -*1 , &*+*6 ,- &/-,/#,-<<*+? /+.6 4, 7.#, 6, ,+7.< +/ /+ = .88,5 ,< /00*8, $+4* *+? =3$ 7.< ,N5-,66,< 7*6 -, .<*+,66 / 1.M, -//-| 0/- 7*6 0-*,+< 47,+,#,- 6$87 1*?7 3, 7, 4*67 /0 7,*- '/#,-,*?+ 60/- * 7,7.< 5,-6/+. = ,#,-= -,.6/+0/- <,6*-*+? / -, $-+ / 5/4,- 4/$ <7.#, 5$ 7*1 -*?7 *+ 7, /5*+*/+ /0 7, 5$3*8 47/ *?+/-.+ /0 7,0 -$, ?-/$+<6 /0 7*6 -,6*?+. */+3 .1,< 7*1 0/- <,6,- *+? 7, 7, 1 47,+ 7, 67*5 4.6*+ 5,-* *6 5-*#. , .00.*-6 4,-, *+ .1/6 ,13.--.66,< 6 . , .+< 8/+6,@$,+ = 7, ,1/ $G 1,+6 /0 /00*8, 4,-, /0 +/ -*0*+? *15/- .+8, / 7*1 .6 = 7, <*-,8*/+ /0 5$3*8 .00.*-6 7.<0/- 6/ 1.+= =, .-6 3, ,+ 7*6 #/8. */+ 7. 3$6*+,66 7.< 3,8/1, . 1/6 +,8,66.-= / 7*6 ,N*6 ,+8, $ 0.- 4,*?7*,- 4,-, 7, -,.6/+6 47*87 7, 8/11$+* = 7.< 0/- <,1.+<*+? &- * 06 -,*+6 . ,1,+ *+ /00*8, 3/#, . 7*+?6 * 4.6 <,6*-.3 , *+ 7, 5-,6,+ 7-,. ,+*+?6 . , /05$3*8 .00.*-6 7. +? .+<06 .3 ,6 5* / 67/$ <3, 5 .8,< . 7, 7, 1 /0 /#,-+1,+ .+< 0,4 5,-6/+6 4,-, *M, = / 1.*+ .*+ 7. , +-= <<*+? / 4.6 7. 1.+ ' / * , 8/+0*G <,+8, *+<, ,<7.< 7*6 0,H/408/$+ -!1.,+ *+ 7*6 B$<?1,+ .+< .3** *,62 7. +/ / +=*+ 3/ 7 /$6,6 /0 .- *.1,+ 7.< 7, .++/$+8,1,+ /07*6 .55/*+ 1,+ / 7, -,1*,-G 67*5 3, ,+ -,8,*#,< 4* 7 ?-, . <,-*6*/+ .+< ,#,+ 6 *?7 2L 3$ 4, 0*+< * 7*16,0 ,N.8*+? . 5-/1*6, 0-/1 7*6 =/$+? .+< .-<,+ 0-*,+<, /-?,, (.++*+?6 4, /, / . 7, '5, .M,-06 .55/*+ 1,+ T . ,#,+ 62 .6 -,?.-<,< , /@$,+8,2 .<1*+*6 -. *#, .3** =2 .+< /00*8*. ,N5,-*,+8,2 +/ 8/15.-*6/+ 47. ,#,- 8/$ <5/66*3 = ,N*6 3, 4, ,+ * .+< <<*+? /+ +7, 4/-<6 /0 (.++*+?06 4, 0M+/4+ 8/$5 , Y

C "--= *#-(' //"12-(1
(1/(1'"#-(' */"12-(1 D

I (./ *%;:# 8"7B# "*.",#'<(%'"<'+'L -' 6"/

7*$62 **. *, /5*+*/+ /0 ,/-?, /6,2 .+< 5-/*B.*B*= /0 ,#,-= / , 0-*,+< /0 * 2 <<*+? /+2 *+6 ,.< /0 .88,5 G *+?2 .+< +.+8M ,66 8 *+?*+? / M, M*?M 5/6 4M*8M M.< M,,+ M-$6 $5/+ M*12 6M/+ < . /+8, M.#, 5/*+ ,< y+ / M*6 6/#,-,*?+ M, + ,- M/5, ,66+,66 /0 &6 M,*+? .M , / 8.--= /+ M, /#,-+1,+2 .+< *15 /-,< M*12 .6 M, /+ = 1,.+6 /0 .#,- *+? M, 8. .1* *,6 4M*8M M-,. ,+,< M, 8/1. -=2 / ,N,- &6 *C/=. *+00+,+8, / *+<**8, &- * / -,1.*+ *+ 5/4,- 0 M, 6.1, /5*+*/+ 4.6 (.++*+? .< M, '5,.M,-2M, *+6*6 ,<2</+, 4M. M, /$?M2 y M.#, </+,2 M, 4/$< M.#, #/ $+ .-* = 6/$?M M, *+? .+< 6.*< / &1Y /4 M. M, (.M/ *8 Q$,6 */+ *6 .6 ,,5 .+< 0/-?/ ,+2 .1-,.<= / -,6*?+ 1= /00*8, / &- * L

<<*+? /+2 M/4,#,-2 #*,4,< M, @$,6 */+ *+ . #,-= <*00,-,+ M?M / /+ =2 .6 M.6 M,,+ . -,.<= 6$?G ?,6 ,<2 F.6 M, *15-,66,< 4* M . / ,-.3 = ?//< /5*+*/+ /0 &6 /4+ 1,-* 62 3$ M*6 +. *#, 6, 008/+0*<,+8, 4/$< 6,,1 / M.#, M,,+ 8/+6 .+ =M,5 /+ M, 6 -, 8M 3= M, ,+0 /10.?*+? .66$-.+8,6 /0 &6 +,.- 0.1* =8/*1,N*/+62 M, /+<62 M, -.??,62 .+< * ,= <<*+? /+62 3= 47/1 M,*- M*+61.+06 , ,#. */+ / M, B0,1*,-6&* 4.62 +/ $++. $-. =2 -,?.-<,< .6 5-,6,+ *+??/ <,+ /55/- $+* *,6 4M*8M /$?M /+ +/ .88/$+ / 3, +,? ,8 ,<

C E),1-%,01%-,."82 +,."(/#%*2
. ."#7*=1"12 *8/",1:,0%*2
S57),1 ."##+,,:),#)(66%,<%,%7
.-), (8#,.,:,"<,#-),,;/."%7 X
):,. :%",(.)";6.(-),. .*22:
),,. :),,.)";6.(-),. %,7

K (./ *%;,#68.73# "*.":#<(%"<+! (#,3# "*.",#<(% + - R"8%"12 "- "#+,.%;+# 1,,/%,## -(.,;*.@-(//"12-(13# #%822"#);(/,(0 #+,*@"12 "1-%", (8#,(0 (;;(1# ::(./"12-(*=.",.1-),K H8*.-,.%7 ,<",=3 4C $( ),*./<,.7%*-,%7 \ U N 0.(;(1,(0-)(:(;+*17#-"%)*++"%7 #8.<"<"12 -%;-F)(8-)"#-";, "--=)(=*#:>+:,-:/-(*/"11,.9+*.-7/"/1(-:(;,"1-R% -%"(#,:(1/:(8.#,6,22"12 +*./(1 0(.6,"12 #(%*-,*# .,=*# (6%2,/-(6,*. //"12-(1(8-3*1/? 9 3]5 $ $ $ M N3 @ $<(%##">+L !

7. ‘5,-6/+‘ .6‘ 7*6‘ 0-*,+< 47/‘ 4* 77, < 7*6‘ 6$55/- ‘ 0-/ 1‘ 7,‘ +,4‘ &*+*6 -= ‘ /$3 ,66‘ .‘ 6*+? ,‘ 4/-< 0-/ 1‘ 7,‘ *+?‘ . ‘ 7*6‘ *1,‘ 4/$ < 7.#,‘ *+<$8,< <<*+? /+‘ /‘ -,6*?+‘ *+‘ 0.#/$-‘ /0‘ 7*6‘ 0-*,+< .+< 3,+,0.8 /-‘ 3$‘ 7. ‘ 4/-< 4.6‘ +,#,-‘ 65/M,+‘ " ,-=‘ 5/66*3 =‘ 7,‘ *+?‘ 1.=‘ 7.#,‘ /#,-G ,6 *1. ,< 7,‘ <*6*+ ,-,6 ,<+,66‘ /0‘ <<*+? /+0‘ 8/+<$8‘ *+‘ 7.#*+?‘ .88,5 ,< 7,‘ -,1*,-67*5‘ .+< 7,‘ 1.=‘ 7,-,0/-,‘ 7.#,‘ 67-$+M‘ 0-/ 1‘ 3,*+?‘ .‘ 5.- =‘ /‘ 7*6‘ -,1/#. ‘ 0-/ 1‘ .‘ 5/6‘ 47*87‘ 7*6‘ /4+‘$-?,+ ‘ 6/ *8* . */+6‘ 7.< 5-,#.* ,< $5/+‘ 7*1‘ /‘ 0*H‘ ‘ .H ,#,+ 6‘ * 0‘ $+@$. *0*,< 5-/ 1*6,‘ /‘ ,N ,+<7*6‘ 0$ ‘ 8/$+ ,+.+8,‘ .+< 6$55/- ‘ /‘ 7,‘ +,4‘ <1*+G *6 -. */+‘ ,#*<,+ =‘ -,+<,-,< 7,‘ +,8,66.-=‘ 87.+?,6*+‘ 7,‘ (.3*+,‘ 0.-‘ ,66‘ <*6.?-,,.3 ,‘ /‘ 7,‘ *+?‘ 7.+‘ 7,=‘ 1*?7 ‘ / 7,-4*6,‘ 7.#,‘ 3,,+‘ 7$6‘ . ‘ 7,‘ 0*-6 ‘ ,#,,‘ 47*87‘ 7,‘ 7, < . ‘ ' ‘A.1,66‘ . .8,‘ .0 ,-‘ 7*6‘ -,8/#,-=‘ 4,‘ 0*+< 7*1‘ <-.4*+?‘ 7*6‘ 5-,6,+ ‘ .+< 7*6‘ ,N0&*+*6 ,-‘ *+ /‘ .‘ -,8,66‘ $+<,-‘ /+,‘ /0‘ 7,‘ 4*+</46‘ .+< /36,-#*+?‘ /‘ 7,1‘ ,157. *8. =Y‘ ‘ 0‘ 4,‘ 7-,,‘ </‘ 3$ ‘ M,,5‘ /?, 7,-‘ . ‘ 4* ‘ </‘ 4, L‘0‘ +‘ 7,‘ 1,.+‘ *1,‘ ,#,-‘ 6*+8,‘ 7,‘ *+?‘ 7.< 3,,+‘ 5-/6G -. ,< 3=‘ 7,‘ *+ , *?,+8,‘ 7. ‘ * ‘ *+ ,+<,< /‘ *+ -/<$8,‘ .‘ /1.+‘ (. 7/ *8‘ * ‘ *+ /‘ .-*.1,+‘ 7,‘ 7.< <,8*+,< 6,,*+?‘ 7*6‘ . ,‘ &*+*6 ,-‘ *+‘ 5-*#. ,‘ .+_‘ 8/+6,@$,+ =‘ /0‘ . ,‘ . ‘ 8/1 1$+*8. */+‘ 3, 4,,+‘ 7,1‘ 7.< .M,+‘ 5 .8,‘ *+‘ 4-* *+?‘ ‘ ‘ 7/$?7 ‘L‘ 6.*<‘ 7,‘ *+?‘ /‘ ,+,-. ‘ .-8/$-‘ ‘ 4,‘ 67/$ < 3/ 7‘ 5,-7.56‘ 6.=‘ 6/1, 7*+?‘ 4,‘ 67/$ < 3,‘ 6/--=E‘ 0/-‘ F,‘ 1*?7 ‘ 3/ 7‘ 3,‘ 4.-1‘ *+‘ .-?$1,+‘ .+< 7,-,0/-,‘ ‘ 7/$?7 ‘ * ‘ 1$87‘ 3, ,-‘ 7. ‘ 4,‘ 67/$ < 5$ ‘ /$-‘ 7/$?7 6‘ /+‘ 5.5,-‘ .+< ‘ 6,+‘ 0/-‘ 7,‘ '5,.M,-‘ .6‘ 7,‘ 0-*,+< /0‘ 3/ 7 LT‘ *1,‘ 7/4,#,-‘ 7.< +/4‘ .--*#,<‘ 47,+‘ * 4.6‘ +,8,66.-=‘ 7. ‘ .‘ 5.- *+?‘ *+ ,-0#*,4‘ 67/$ < .M,‘ 5 .8,‘ 3, 4,,+‘ 7,1‘ *+‘ /-<,-‘ /‘ ,+.3 ,‘ * ‘ /‘ <, *#,-‘ $5‘ 7,‘ 6,.6‘ /0‘ /00*8,‘ /‘ 7*6‘ '/#,-,*?+‘ 7,‘ <.=‘ 47*87‘ 4.6‘ /

‘ /-< (/ 87,6 ,-C‘ *.-*,6‘ #/ ‘ *‘ 55‘ W;‘ W
‘ / 84‘ 06‘ *0,‘ /0‘ /-< ‘ *<1/$ *‘ =/ ‘ *‘ 5‘ 9‘
A‘ .<=‘ **-,/10- ‘ *.-=I‘ .66/=‘ 06‘ *6‘ /0‘ +? .+<‘ #/ ‘ *#‘ 5‘ WK ‘

7*6 &*+*6 ,-2 7, 4/$ < 6 * . /4 7**+ /8/+6*<,- 7*1.6 7*6 0-*,+<f 7. 7, 4/$ < 8/1, /7*1 47,+,#,- 7, 4*67,< * 2 .+< 8/$ < </6/4* 7 5-/5-*, =f .+< 7. . , ,#,+ 6 7, 4/$ < 5.= 7*1 .#*6* . F,=1/$ 7 *+ 7, 6$1 1,- , .6 6$-,2L 6.*< * / /6,2 7, *+?
4/$ < 7, ?-,. = -, *,#,< 3= 7,*- *+ ,-#*,4 3,*+? /#,- .+< 7*6 -,6*?+. */+ .88,5 ,<fL .<<*+? 7. 2 .6 0/- 7*1G 6,02 7*6 /4+ 1*+< 4.6 ?-,. = -, *,#,< L F7,+ 7,= 5.- ,< * 6,,16 /7.#, 3,,+ 4* 7 7, M*+<,6 0,, *+?6 /0 1$ $. -,?.-< .+< -,65,8 &- * 05 ,+ *-, 8/+<$8 2 6.*< 7, +?3/7 /6, .+< /-< </+2 1,-* ,< 7*6 4.-1,6 .+< 1/6 $+@$. *0*,< .55-/3. */+f 7, 5/6G 6,66,< 7*6 7*?7,6 ,6 , ,1 .+< ?//< /5*+*/+f 7*6 8/+<$8 2 ,65,8*. = . 7, *1, /0 7*6 @$* *+? /00*8,2 4.6 3,=/+< . 8/15.-*6/+ 1/-, 7/+/$-.3 , 7.+ 7. /0 Y .=*+? . 6 -/+? ,157.6*6 /+ 7, 4/-< .+= Y /0 7*6 5-,<,8,66/-6 T +* *M, 1.++,-2 * <*<B$6 *8, / 7, -*?7 ,/$6 *+ ,+ */+6 /0 7*6 ' /#,-,*?+ 7/$?7 7, *+?06 68-$5 ,62 7, /36,-#,< / <<*+? /+2 1$6 +,8,66.-* =3, . 1. ,- /0 -,?-, / 7*12 7, 8/$ < +/ 3$ -,#,-, 7*1 0/- 7*6 6 ,.<*+,66 .+< 8/+68*,+ */$6+,66 T

,* 7,- <*< 7, *+?2 /+ 7*6 /88.6*/+2 8/+0*+, 7*16,0 / 1,-,#,-3. ,N5-,66*/+6 /0 .55-/#. .+<5,-6/+. -,?.-< * . 7*6 *1,2 *+ 8/+6,@$,+8, /0 7*6 /66 /0 /00*8*. *+8/1,2 .+< 7, * , . ,+ */+ 47*87 7, 7.<3, ,+ *+ 7@22 7.3* /0 5.=*+? / 7, 1.+.?,1,+ /0 7*6 </1,6 *8 .00.*-62 4.6 7-,. , ,+,<4* 7 ?-,. 5,8$+*.-= ,13.--.661,+ .+= 1/1,+ .+ ,N,8$ */+ 1*?7 3, 5$ *+ / 7, 61. 7/$6, / 47*87 7, 7.< -, *-,< *+ .-M .8,2 ' A.1,66 +=1/-+*+? 7, 1*?7 .4.M, / 0*+< 7*16,0 4* 7/$. 87.*- *+ 7*6 <-.4*+?0-//12 /- . 7/-6, *+ 7*6 6 .3 ,6 7, *+? 7.< .M,+ .+ /55/- $+* = /0 *+ ,--/?. *+? /-< -,+#* , /+ 7, 6$3B,82 3$ 7. +/3 ,1.+2 *?+/-.+

P C "*.",#'<(%'"'++'!!L!! '!! ' -' i"/'++' '!L'!
' */7 *.:(8.-B# "*"7? *##(73# "#-'(0 82%*8/'<(%'"<'+'L !'

#' $ ' ' % / ' % " # ' ' '"# (" ' ' L ' 3

C # 7(8 *.,' :%(#"12' ;8:)' -(' ;7 #(..(=' 7(8.' +(%"-":*% :*.,,.' ' :*11(-'),%+' ,>+.,##"12' -),' 5(7' ' 0,,%-)*-' -),' E*7# *1/' ,*1# 0(.' -),' +.,#,1-' 7,*.')*<,' 6,,1' -)"# /*7 *2"B,,/' -(' "1' (;G ;"--,,' ="-)(8-' *17' /,6*-,' *1/' *++*.,1-%7 -(' -),' #*-"#0*:-"(1' (0 -),' (8#,

' L

' ' ' 9; 9

C' "# *5,#-7' :*11(-'),%+' ,>+.,##"12' "10"1"-,' #*-"#0*:-"(1' *-' .' "--3# 0,,%"12' -),' ,>+.,##"(1# (0' -),' 1(-,' -),' "12' =.(-,' -(')";' (1' E,/1,#/*7' ,<,1"12'),7' =,.,' (1%7 -),' ,008#"(1# (0' -),' .,*% *00,:-"(1')"# *5,#-7' ="%% ,<,.')*<,' 0(.' .' "--

C' ' DI

7,' 0.-,4, ' *+ ,-#*,4' 3, 4,,+' 7,' *+?' .+<' * ' //M' 5 .8,' /+' '. $-<.=' 7,' 9_ 7' /0' &.-87' .+<' /+' 7,' 9: 7' 7,' +,4' &*+*6 ,-*. ' .55/*+ 1,+ 6' 4,-,' ?.>, ,<' /-<6' 0-,+#* ,' .+<' '5,+8,-' .+<' $+<.6' .+<' F*+<7.1' 0/ G /4,<' * ' *+ /' -, *-,1,+ ' /-<6' F,6 1/-, .+<' .+<' (7. 7.1' .+<' 7,' $M,' /0' /- .+<' -,1.*+,<' *+' /00*8,' /-<' (7. 7.1' #.8. ,<' 7,' -,6*<,+8=' /0' 7,' (/$+8*' /' 3,8/1,' &.6 ,-0 ,+,-.' /0' 7,' -<+.+8,f 7,' $M,' /0' /- .+<' *+6 ,.<' /0' -,1.*+*+?' ',8-, .-=' /0' ' . ,' 0/-' 7,' /1,' ,5.- 1,+' //M' /-<' (7. 7.1 6' 5 .8,' . ' 7,' 7,.<' /0' 7,' (/$+8*' /-<6' .4M,63$-=' , 7.1' .+<' /3.-' 3,8.1,' ',8-, .-*,6' /0' '. ,' f /-<' F,6 1/-, .+<' -, .*+,<' 7*6' 5/6' /0' /-<' -*#=' ', . f 7,' .-' /0' .-<4*8M,' 4.?' .55/*+ ,<' /-<' *,$,+.+' /0' -, .+<f .-' ' ' "*+8,+' *-6' /-<' /0' 7,' <1*-. =' .+<' /-<' </+' /-<' *?7' (7.+8, /-' *+' 7,' -//1' /0' /-<' /$?73/-/$?7' 47/' /3 .*+,<' .' 6 ,5' *+' 7,' 5,,-.?,' .6 .-' /0' /66 =+

0' . ' 7,' .--.+?,1,+ 6' 47*87' //M' 5 .8,' . ' 7*6' *1,' $+@$,6 */+.3 =' 7,' /+,' 47*87' 4.6' 5,-6/+. =' 7,' 1/6' ?-. *0=*+?' /' 7,' *+?' 4.6' 7,' , ,#. */+' /0' /-<' </+' /' 7,' F//6.8M' 7,' 1.+LY 4-* ,6' 7,' . ,' *+?' /0' .+/#,-' /' &-' (-/M,-' *+' A.+$.-=' 9;_WY ' 47/' ' 67/$ <

t' .-' ' .+7/5,6' *0,' /0' * ' #/ ' *** ' 55' NNN** ' NNN*** ' 55,+<*N

=/$-6, 0 .' 8/$+ -=' 8$-. ,2 .+< 7. ' ' 7.6 1.<,' =/$ 1=
/-< (7.+8, /- L'
6 4* ' 0-/1' *1,' /' *1,' 3,' 67/4+2 7,' &*+*6 ,-' 47/2
+,N ' /' /-< </+2?-,4'*+ /' 7,'?-,. ,6 '5,-6/+. '0.#/$-'
4* 7 7,' *+?2 4.6 7,' +,4' -,1*,-' ' 7,' *+?2L'7,'
4-* ,6 /' 7*1' /+' 7,'9W 7 /0 &.-872 '8.++/'0*+< 4/-<6
6$0 '8*,+ =',N5-,66*#,'/0 7*6 &.B,6 =06 8/-<*. ' .55-/3. */+'
/0 7,'47/ ,' .--.+?,1,+ 6 47*87 7*6 ' 0 ' 4' '
L; ' 7.6 4*6, =2 .+< 7*6 &.B,6 =' 87//6,6 /' .<<2
1/6'8/--,8 =2 -,8/1 1,+<,<0
+' 7,'1,.+' *1,2 6.*60.8 /-=' .6 7,' *+?06 5-/?-,66
/4.-<6 -,8/#,-=' 1.=' 7.#,' .55,.-,<2 7,'6,,<6 /0 1,+ .'
1. .<=' 4,-,' ,#*<,+ =' 6* ' $-M*+?' *+' 7*6 6=6 ,1' +'
&/+<.=' 7,'9K 7 /0 &.-872 /+' 47*87 <.=' 7,'5-,6*<,<. '
.' -*#=' (/$+8* 2A*,'4.6 6/ ,N-,1, =' +,-#/$62 47*,'8/+G
#,-6*+?' 4* 7 7,' $M,'/0 /- .+<2 $.6 /' . .-1' 7,' $M,'
,N8,,<*+?=L' +' 7,' 7 /-< &. 1,63$-=' 1,+*/+6
'$+8/10/-.3,'.88/$+ 6L' /0 7*6 &.B,6 ='3,*+?' ',N-,1, ='
+,-#/$6 .+< /4065*-* ,<2L' .+<2 /+' 7,' K 72 -$1/$-6 4,-,'
5-,#. ,+' /0 7*6 3,*+?' 6,-*/$6 =' * ' +' 7*6 . ,-' <.='
/-< &. 1,63$-=' *+6,-6 *+' 7*6 *.-=Y 7$-6<.=2
&.-87 K' -.4*+?0-//1' /0<.=' #,-=' 8-/4<,<I' Q$,,+'
//M*+?' 5. ,I -*+8,66,6 .6 *0 7,=' 7.< 3,,+' 4,,5*+?'
7,=' *+6*+$. ,' 7. ' 7,' *+?' *6 //' * ' 0/-' 7,' Q$,,+' /'
.55,.-' *+' 5$3 *82 .+< 8,+6$-,' 7,-' 0/-' * ' 7,' $M,6 /0
)/-M .+< ($13,-.+< 7,-,' 7,' -*+8,' /0 F. ,6 '
.' 7,' -.4*+?' //12 3$' 3,7.#,<#,-=' -$<,=' /' 7,'
Q$,,+L'A' /N .+<' '7,-*<.+2 *' 1.=' 3,' 1,+*/+,<2 4,-,'
6,#,-. =' 5-,6,+' .' ' ' A.1,606 /+' 7*6 /88.6*/+' [
-/1' 7*6 <. ,' 4,' .-,' .3,' /' <*68/#,-' 3$' 0,4' 5.-*G
8$.-6 -,65,8*+?' 7,' *+?06 6 . ,' * ' 7,' ' 7 /0 5-* 2

' *0,' /0 F* 3,-0/-,82 #/ ' ***' 5' ' F* 7 -,6*X,/' /' /-< </+' 7.#*+?' .3.+</+,<
/' 5-/0,66/+' /0 7/' (7$-87 0/-' 7. ' /0 7,' .-2 ' 4*6606 *0/' /0 /-< </+2 #/ ' *'
55' ;_2 ;W' 6,8/+< E */+
', /4 6' *0/' /0 */-< '*<1/$ 72 #/ ' *' 5' W
A' /-< &. 1,63$-=06 *.-*,62 #/ ' *#' 55' W 2 W92 W_
[/6,06 *.-*,62 #/ ' *' 5'

/+ 47*87 <.= 7, -/<, 4* 7 7, -*+8, /0 F. ,6 / , 4 7. . 7*6 *1,2 7*6 1*+< 4.6 6 * *+ .5.-*. = <,-.+?,< 6 . , 7,-, 6,,16 / 3, * , @$,6*/+ / /+ =2 /+ 7*6 .--*#. . , 42 4.6 7, /36,-#,< / 3, *+ .+ .?* . ,< 6 . , Y 8/+#,-6*+? 4* 7 . ?-,. +$13,- /0 5,/5 ,2 4/-M1,+ .+< / 7,-6L Y7$ 2 .6 4* 5-,6,+ = 3, 6,,+2 7, 1/6 *+8.$ */$6 =2 *+ 7, 8/$-6, /0 8/+#,-6. */+ 4* 7 7*6 , <,6 6/+2 ?.#, $,-.+8, / 7, 6.1, 8/+0$6,< .+< 0.+8*0$ *+ ,+ */+ 47*87 7.< 3,,+ $55,-1/6 *+ 7*6 1*+< <$-*+? 7*6 0/-1,- . .8M /0 *+6.+* =2*+ 9:;;0 2 /0 -,6*?+*+? 7, (-/4+ /0 --,. -* .*+2 .+< -, *-*+?2 0/- 7, 6.M, /0 ,.6, .+< @$*, 2 / 7*6 ,-1.+ ,8 /-. , +47. ,#,- ,-162 /- *+ 47. ,#,- 8/+<* */+ /0 1*+<2 7. *+ ,+ */+ 1.= 7.#, 3, ,+ ,N5-,66,<2 7, -*+8, 4/$ <2 . . ,#,+ 62 6,,1 / 7.#, /6 7$ * , *1, *+ ,+<, .#/$-G *+? / $-+ 7, 8/+#,-6. */+ / 7*6 /4+ .<#.+ .?, / -< </+2L 4-* ,6 /6, /+ 7, 96 2 4.6 5-,#,+ ,< <*+*+? 4* 7 1, 7*6 <.= / 1, , &- * 2 7= 7.#*+? ,,+ 6,+ 0/- 3= 7, -*+8, /0 F. ,6 +7*6 . ,+<*+? 7*6 /=. *?7+,662 7, -*+8, / < 7*6 /-<67*5 7. * 4.6 7, *+ ,+ */+ /0 7*6 &.B,6 =2 <,8 .-,< =,6 ,-<.=2 / <,#/ #, 7, /#,-+1,+ / +7*12 7, -*+8,I 7. 07, 4*67,< 7, (7.+8, /- 4/$ < 8/+6*<,- 7, 5-/5,- 1/<, /0 7. 3,*+? 8.--*,< *+ / ,00,82 .+< 1 : "3 7, -*+8, 0$- 7,- 6 . ,< Y 7. 7, Q$, ,+ .+< 7*6 3-/ 7,-6 4*67,< 7*1 / .M, 1, .6$-,6 0/- 8/+0*+*+? 7, *+?I 7. 7*6 /=. *?7+,66 #,-= ?-,. = <*6 *M,< 7, F* *6 0.1* = ,*+? .3/$ 7, *+?2 .+< 7, 4.6 7,-,0/-, <,6*-/$6 /0M+/4*+? *0 7,= 4,-, 5 .8,< 7?-, 3= .+= .$ 7/-* =2 /- 7/4 7,= 1*?7 3, ?/ -*< /0I 7. 7*6 /=. *?7+,66 7.< 6, ,+ /-< 7$- /4 .+< 4*67,< 7, (7.+8, /- / 6, 7*1 L 7*6 /-< </+ <,8 *+,< </*+? I . 7, 6.1, *1, -,5 =G *+? / 7, -*+8, *+ 7, 1/6 ?$.-<,< 1.++,- 5/66*3 ,

6 0/- 7, F* *6 0. 1* =7, 6.*< 7. 7, =4, -, 5 .8, <.3/$ 7, *+?05 5, -6/+7 +/ 3= .+= 5/6* *#, .$ 7/-* =7 3$ /+ ?-/$+<6 /0 5-/5-*, = .+< +/ /-*/$6 +, 8, 66* = L F* 7 /-< /66 =** . 6/7 . 7*6 *1, 7 7e -*+8, 7. < 4/* *+ , -G #*, 46 /+ 7, 6$3B, 8 /0 7*6 0. 7, -05 1/-3*< +/ */+ /0 .3<*8. *+? 7, 7-/+, 7 $ 55.-, + = 4* 7/$ *15-, 66*+? .+= ?-, . , - .1/$+ /0 8/+#*8 */+ $5/+ 7, 1*+< /0 7. .3 , .4=, -7 *+ -, ?.-< / 7, 6, -*/$6+, 66 /0 7, *+?05 *+ , +G */+67 7.+ 7, 7.< </+, /+ 7, 1*+< /0 7, (7.+8, /- + 7, 1, .+ *1, 7 7, 1/-, <*6 -, 66*+? 7, *+?05 8/+G <* */+ 7.< 3, 8/1, 7 7, 1/-, 6 -*+?, + .55, .- /7.#, 3, , + 7, 5-, 8.$ */+6 .</5 , <7 3/ 7 *+ /4+*+? ' -, , .6 4, .6 *+ 7, . .8, 7 / 5-, #, + 7, 5.*+0$ -$ 7 3, 8/1*+? M+/4+ / 7, 5$3 *8 7-, , =, .-6 .0 , -4 .-<67 0/- *+6 .+8, 7 /N 4-* , 6 / /-< .$<, -<. , Y *6 M+/4+7 .+< +/4 &-87 L7 68.-8, = <*6.#/4, <7 7. 7, 7.< . 6, #, -, -, .56, 7 .+< 4.6 0/- 4, , M6 . , 4 *+ 6$87 . 6 . , .6 +, * 7, - / 6, , &*+*6 , -6 /- 7*6 0. 1* = L 0 #, + , /-?, /6, 7 *+ *1. , .6 7, 4.6 3/ 7 4* 7 7, (7.+8, /- .+< 4* 7 - 7/1.6 F* *67 .55, .-6 / 7.#, 0.* , < *+ /3 .*+*+? .+= *15/- .+ *+ , *G ?, +8, 0-/1 , * 7, -7 < 6/1, *1, .0 , - 7, *+?05 <*6/-<, - 7.< 5.66, < * 6 8-*6*6 7, 0, 4 5.- *8$.-67 7/4, #, -7 47*87 7, , *8* , < 0-/1 7, 1 4, -, 1/$-+0$ = *+ , -, 6 *+? '5, .M*+? /0 - F* *67 7, 4-* , 6 Y , / < 1, 7. $+0/- $+. , = 7, *+? 7.< .M, + . <, 8*<, < .#, -6*/+ / 7*16, 0 .+< 7, / 7, - 1, <*8. 5, /5 , .3/$ 7*17 .+< 67/4, < ?-, . *15. *, +8, / ?, 0-/1 $+<, - 7, *- -, 6 -.*+ f 7. .0 , - 7*6 &.B, 6 = 4, + / , 47 7, = 7.< 3, , + $+<, - 7, +, 8, 66* = /0 -, 1/#*+? 7*1 0-/1 7, 7/$6, 47, -, 7, Q$, , + .+< -*+8, 66, 6 4, -, fA 3$ 7. 4.6 +/ , 00, 8 , < 4* 7/$. 1.-M /0 #*/ , +8, 0-/1 7*6 &.B, 6 = /4.-<6 7*1 L

! " # $ % 7. *6 /6.=7 7. 7, *+? 4.6 -, 1/#, < 0-/1 7, 0/-1, - 5. .8, 7 47*87 +/ /+?, - , N*6 67 / 7, 5-, 6, + -, <03-*/M , <*0*8, 47*87 7.6 6$88, , <, < / *, <, +/1*+.G */+ /0 , 4 . +8, 7L [/6, 05 *.-*, 67 #/ *5 WW $

4.6 *+ *6 .00 *8 *+? 8/+<* */+ Y *+ .7/$6, . , 4 6,5.-. ,< 0-/1 7*6 0.1* = 4* 7 7, F* *6,6 7#*+? 4* 7 7*1LY 7. 7, /-< (7.+8, /- <*68/#,-,< 7*6 .00 *8 ,< '/#,-,*?+ + 3,*+? .<1* ,< / 7*6 6*8M 87.13,- 7, 0/$+< 7. 7, ?-,. ?-*,0 47*87 5-,=,< $5/+ 7, 1*+< /0 7, -/=. 5. *,+ 4.6 7*6 0/-8,< 6,5.-. */+ 0-/1 7*6 0.1* = , 7.< 1.<, .6/ ,1+ <, ,-1*+. */+ 7, <,8 .-,< ,+,-G ?, *8. = 7. $+ ,66 7, 4.6 7. #,-= <.= . /4,< / -,B/*+ 7, Q$,,+ .+< 7*6 <.$?7 ,-6 +/ ,.- 7 = 8/+6*<,-.G */+ 67/$ < ,#,- .?.*+ *+<$8, 7*1 / 6*?+ 7*6 +.1, / .+= ' . , </8$1,+ / - / 5,-0/-1 .+= .8 /0 M*+? = .$ 7/-* = 47. ,#,- 7*6 7, .<<,< 4.6 7*6 0*N,< .+< *--,#/8.3 , -,6/ #, .+< 7, 4/$ < .3*<, 3= * .6 . ?,+ ,1.+ .+< .6 . *+? 88/-<*+? = 7, (7.+8, /- 47/ 7*16, 0 -, . ,< 7,6, 5.-*8$.-6 / /6, 4.6 *+<$8,< / 8/+6,+ / 7, *+?0 -,1/#. / P 7, 7/$6, 47,-, 7, Q$,,+ 4.6 L F 7. ,#,- 1.= 7.#, 3,,+ 7, 0 $8 $. */+6 *+ 7, *+?0 1. .<= . 7*6 *1, 47, 7,- 0/- 7, 3, ,- /- 4/-6, 7, 4.6 +/ / /+ = 4, ,+/$?7 /+ 7, 7 /0 5-* / ?/ /$ 4. M*+? .+< / .<<-,66 . 87,,-0$ +/ , / /-< </+20 3$ 0*#, <.=6 .0 ,-4.-<6 8/15/6,< 7, 0/ /4*+? <, .0 .+< 3$6*+,660 *M, , ,-

' (& '6 9 "

P $0 9; 9

C), "12 1,<,. /(86-, / -) *- -), -%,9/,, /# (0 -),) (8#,# (1 ":) ; (1/ .,,1 =,, , "1 .*"23# (8.-5 68- -)"# "1#-*1:, (0 1,2%,:- #)(=# -), " ; +.(+.",-7 (0 ,<,. -1"#-"12 2,1-%, ; ,1 "1 -)*- %"1, ="-) :(1:,.1# -),7 :*11(-)*<, *17 .,*#(1 -(6, "1-.8#-, / ="-) 1 08-8.,)"# *5,#-7 +.(+(#,# -)*- *%6 -), .,1-# -(6, .,:,"<, / *1/ *%6 68#"1,## "1)"# ":) ; (1/ +.(+,.-7 #)*%6 #(%,%7 6, ; *1*2, / 67 . -.(12 (0 =)(#,5-*%,1-# *1/ "1-,2."-7), "# ; (#-)(.(82)%7 :(1<"1:, /

<),., , #, , ; # 1((65,:-"(1-(1* ; "12-).,, .8#-, ,# -(=)(; */7 ##,>3# ,#-*-, #)*%6 6, :(1<,7, / " "# *5,#-7 +.(+(#,#

K (#,3# "*.",# "'+ !LU 0 %/(1 ."2"1*% , %,*#, (1%7 (0 C ,= (8#,5 %"*/ 6,,1 -*@,1 67 .,/,.":@ ."1:, (0

"#%*1/' =)":%' *%(1,')*# #-(((/' 0(.-)' :(1#-*1-%7 "1' (++(#"-"(1' -(' (8.'
=":@,/' 1,"2)6(8.#' ' 0%*--,.' ;7#,%0' -),' 0*:-' (0')*<"12' *' "1"#-.7
:(;+(#,/' (0' ;,1' (0' .,%"2"(1' *1/' 2.,*-' +.(6"-7 </%' -,1/' -(' -),'
.,#-(.*-"(1' (0' ;(.,' /,:(.8;' ,"-),.' ;7' */<":,' 1(.' ,>*;+%,'
#)*%%' 6,' =*1-,/' -(' ,00,:-' "-

C' ,>+,:-' -),' "#)(+' (0' (.=":)I' *1/' -),' 1,=' ,+8-7' %,.@(0'
-),' %(#,-' -)"#' ;(.1"12' -)*-' ' ;*7.,:,"<,' -),' (%7' (;;81"(1'
0-,.' =)*-' ')*<,' 81/,.2(1,' ' #)(8%/' 1(-')*<,' 0,%-')*++7 "0' '
)*/' 1(-' 6,,1' *' +*.-*@,.' (0' -)*-' +.,<"(8# -(' ;7' 5(8.1,7 "1' -),'
=,#-? *1/' *' 6"#)(+' 6.,/' *-' ;;*18,% (%%,2,' *1/' =)(#,' +."1G
:"+%,# *1/' ;*11,.# *.,' #(',>:,%%,1-' #,,;,/' -(';,' -),' ;(#-' +.(+,.'
+,.#(1' *# ' :(8%/')*<,' -),' ;(#-' ,>:,%%,1-' 6"#)(+' 6.,/' 8+' "1' -)*-'
#,;"1*.7 (0' %,*.1"12

C' 7' 0(8.' #(1#' -),' 8@,# (0' (.@' ,1-' 8;6,.%*1/' *1/' /,*.'
/(%+)8#' ="%%' .,:,"<,' "-' ="-)' ;,

C' <,.' ;7' 2((/' (./' 7(8.# ;(#-' *00,:-"(1*-,%7

#' !) ' -

C' (' ' /·' 1 L' L' R /K /0
C'P (3 9' 4 ' >

+' *,' 0/$-7' /0' A$+,' 7,' .+?06' 7*-70<.=' 7,' 4.6'
4,' ,+/$?7' /' 7/<.' ,#,,' .' ' A.1,606' ..8,' 47,-,'
7,' -,8,*#,<' 8/+?-.$.*@56' /+' 7*6' -,8/#,-=' 0-/1' 7,'
/-,*?+' &*+*6,-6' .+<' /7,-' 5,-6/+6' /0' <*6*+8*/+' .+<'
.0,-' 7,' ,#,,' 5-,6*<,<.' .' -*#=' (/$+8*' .' $8M*+?7.1'
/$6,' 7,6,' ,N,-*/+6' 7/4,#,-' .6' 4*' 3,' 6,,+' 5-/#,<'
//' 1$87' 0/-' 7*6' +,-#/$6' 6=6,1

K' .')*.%,# *11,.# 8--(1' *0-,.=*./# .:)6"#)(+' (0' *1-,.68.7' =*# 6(.1' "1'
LL' (' =*# ,/8:*-,/' *-' -),')*.-,.' (8#,' *1/' *0-,.=*./# *-' ;;*18,% (%%,2,'
;6."/2,' 1' '),' =# +.,0,..,/' -(' -),' ,*1,.7' (0' ,-,.6(.(82)' *1/' "1' '
-(' -),' "#)(+.":' (0' (.=":)' -(' =)":)' %*--,.' +.,0,.;,1-' =*# */,/' -),' ,*1,.7' (0'
E"1/#(.' "1' U' .' 8--(1' =*# -.*1#%*-,/' -(' -),' ." ;*:7' "1' L' *1/' /",/' (1' -),'
#-' (0' 8%7'
-' ,1-%,73# "#:,R*17' <(%' >><"' +' L

K 1 % L / ' R

(8-"18*1:-' (0'-),' "123# 1.1%1/7' 4' "# @"1/1,##-(' .' //""52"(1' 4' #<"#"-'-(' ,(.2,' "(#('1-' 8001,%%# 4'),' (8.-'.,#"/,1-'1-'BE,7;(8%BR 4 " 3,1:,'J$"-)' .*1:('4'$"(%,1-' (+"1"(1# (0'%f(>'4' "--' #8+i>i.%# //"12-(13#) 1"+%.7' 4' :1"*1/' 0('9 "--'-(' .,#8;,'-%"(9 .,;",.#)"+'4' #-;12:;(1-'6,-<7,,1' "--'*1/' //"12-(1' 4' "#+%,*#8.,'(0'-),' "12' *-'1(-')*<"12' 6,,1':(1#8%-,/'67'-),;94 8.-),.' (8.-' <"#"-'-('B$$,7;(8-)

!) ' R E 1' ! '" . ' .*6 5,-*/< /0'0.C*. 2 4.6' .3/$-*+?' **5<,-' 1$83' 0.1* = ' <*6 -,66' +' .<<* */+' 2 /' .' <,38. ,' </1,6 *8' -/$3 ,2' /+' =<**83' 3,BE' *6' +/' /88.6*/+' /' <4, 2' 3,' 8/$ < +/' 3$' .M,' <,,5 = ' /' 7,.-' 3,' $+0*3.' 8/+G <$8' /0' 3,' -*+8,' /0' F . ,6' <$-*+?' 3*6' * +,662' .6' 4, ' .6' 3,' $+7.55= ' <*0 ,-,+8,6' 43*83' ,N*6 ,< 3, 4,,+' 3,' 3,*-' /' 3,' 3-/+,' .+<' 3*6' +,? ,8 ,< 8/+6/*C ' +' *3,' K 3' /0' <*1,2' 43,+' 3,' *+?06' <*6/-<,-' 3.< ,#*<,+ = ' -, $-+,<2' 3,' -*+8,66' *>.3, 7' 4-* ,6' /' -' 7/1.6' F* *60E' ' .1' 8/11.+<,<3= ' 3,' Q$,,+' /' *+0/-1' =/$ 3= ' , ,-' 3/4' 1$87' 7*6' 6$3B,8' /0' 3,' -*+8,66' *6' 6 * ' /+' 3,' *+?06' 1*+<B' /' .' <,?-,,' 7.' *6' <*6 -,66*+?2' 0C/1' 3,' $+0/- $+. ,' 6* $. */+' /0' 7,' 0.1* = L' ,#,- M, ,662' .6' 3.< 3,,+' 7,' 8.6,' <$-*+?' 3,' *+?06 0/-1/-' 1,+ .' 1. .<= *+' :;U2 3*6' 7,.-' .55,.-6' /' 7.#,' 3,,+' . ' 6/0 +,662' ,#,+' /4.-<6' 7/6,' 47/' 3.< /00,+<,< 7*1' 3,' Q$,,+2E' 8/+ *+$,6' 7,' -*+8,66' *>.3, 72 P' 8/11.+<6' 1,' /'E.<< 7.2 *0' =/$ 8/$ < 5E,,' 7,-' 7,.-2 =/$ 4/$ < [,,' 7.' 67,' *6

?$*<,< 3= ,#,-= 5-*+8*5 , /0 B$6 *8,2 .+< 4* 3 . 1/6 0,-#,+ 4*67 7. 7, <,.- *+?1.= </ +/ 7*+?/ 0/-1 . 3-,.87 3, 4,,+ 7*1 .+< 7, -*+8,2 0/- 67, -,. = *#,6 *+ <-,.< /0* 7*+M 7, *+?2L 8/+8 $<,6 7, -*+8,662 7,. ,< .+< 0. *?$,<I 47*87 . 1 +/ 6$-5-*6,< . 2 +/ 7.#*+?3,,+ /+, 1*+$, @$*, 7, 47/ , <.= . 66$-, =/$ * *6 .# ,-= ?-,. -*. 2 7, .+N*, = 4, 1$6 ?/ 7-/$?7I 3$ 4, -$6 *+ /<2 7,-,0/-, 4, 7/5, 0/- 7, 3,6 L /7, 6.1, -/=. 5,+ 4, .-, *+<,3 ,< 0/- 6/1, 0$- 7,- *+ ,-,6 *+?2 5.- *G 8$.-6 -, . *#, /7, 5-/?-,66 /0 7, *+?06 <*6/-<,- Y

J (S && 9 + /

0 0 "#S< = " `F1,' -f"

C * *;' 58#-' :(; ," "1-(' ; 7 .((;' B=),1 0(81/ 7(8. <,.7 :(;0(.-*6%,' %,--, . =")':) . ,-8.1 7(8 ; *17 -)*1@# 0(.)*/ +.(;"#,/ * ;* -(-,%% 7(8 -)*- -), <"#"- -(-), ." "1:,## "1-,1/,/ 0(. -(9/*7 =*# +8- (% -"%% ."/*7 *1/ 1(=" "# 1(- -)(82)- (0 -"%% 1,>- =,,@? 68- #), -)"1@# "- ."2)- -(#*7 -(7(8 -)*- #), "# -(R "-, (1 ."/*7 -(-), 8:),## (0 .81#=":@Z (8 ; *7 "10(. ;' -), (./)*1:,%%(. (0"- "1)b+,# -)*-), ; *7 #+,*@ -(-), "12 *6(8- 1(- 1* ;"12 -), #865,:- -( ), . 0(. 7(8 @1(= =)*- *+",:, (0 =(.@#), =(8%/ ; *@, *6(8- "- * ;* :' *%#(-(1* ; ,-)*- -), "12 -(%/), . -(9/*7 -)*-), , >+, :-, / -(. , ; *"1 6,--, . -)*1 *1(-), .3 0(.-1"2%"-), .,), :(; ; *1/# ; , -(#*7 -(7(8 -)*- #), ="#),# -%", (./)*1:,%%(. =(8%/ #)(= . //"12-(1 -)*- *# -), "12 "# :(1-,1-,/ ="-) "-),)*/ 6,--, . 1(-)8..7 (8. 2("12& *#), "# #(; 8:) 6,--, . -), , "#)(+, -)*- "1 2*"1"12 #-.,12-) "- ="%% ,1#8., 8# 0.(;')*<"12 *M& F%*+#, =)":) 7(8 ; *7 , *#%7 6,%", <, "#), , *.1,#- *1/ /*"%7 +.*7,. 5F ,)*# 6, ,1 <, .7 A8",- <, .7), *<7 *1/ <, .7 #%, ,+7 *%% -), , <,"00"2 *1/)*# #*"/ -=((. -), -" ; ,#' 7,#-, ./*7 =*# -((; 8:) 0(.)" ; (/ 2.*1- -)*-)"# ,7,# ; *7 #((1 (+,1 *1/ -)*-), ; *7 #, ,)"# ., *% *1/ -.8, 0.",1/# "1 -), ".

B#<"##3# "0, (0 %/(1 <(% "" ++ ! - %""* : :("1+%"#R,/ ."1:,## -), -)". / /*82)-, . 0 ,(.2, -),)". / =*#)(.1 (1 -), -)(0 81(*1/ (1 -), -)(0 5N."% 9=*# ; *..", / -(-), *1/G 2.*<, (0 ,##, (;)(.2 "(."1:,## (0 BE)"%,#), /", / "1 12%*1/ (1 -)(! ./ (0 *.:) ! *1/ =*# 68.", / "1 - ,(.2,B#)*+,% *- E"1/#(.

68-‘),‘ #)(=# 1(1,‘ "# 6(/7‘ ;"1/‘ *1/‘ -(128,‘ *.,‘ *%% 8+(1‘ -),‘ #-.,-:)‘ ,<,.7‘ ;"18-,? *1/‘ -),‘ ;*11,.‘ "1‘ =)":)‘),‘ "# 1(=‘ ,>+,1/"12‘ ;(1,7‘ "1‘ <*."(8# =*7#‘ =)":)‘ "# #(‘ 81%"@,‘)" ;‘ =),1‘ =,%% ‘ *%% ,<"1:,‘ -)*-‘),‘ "# 1(-‘ #(‘ ."2)-‘ *#),‘ #)(8%/‘ 6,?

C‘ 7‘ (./‘ 7("83‘ (./#)"+3# ;(#-‘ (6,/",1-‘ #,.<*1-

#‘ AE ‘ HH G‘U

/ 4* 76 .+<*+?‘ 7,‘ 7$--=L‘ /0‘ 7,‘ *+?06 1*+<2‘ .+<‘ 7,‘ 1/-3*<‘ .+<‘ 0 $8 $. *+?‘ 6 . ,‘ /0‘ 7*6‘ 65*-* 62‘ 4,‘ 0*+<‘ 7*1‘ 6 * ‘ .1*.3 =‘ -,?.-<0$‘ /0‘ 7,‘ 0,, *+?6‘ /0‘ 7/6,‘ .-/$+<‘ 7*12‘ .+<‘ ,+<,.#/$-*+?2‘ .6‘ 6.2‘ /‘ *15.-‘ 5 ,.6$-,‘ /‘ / 7,-6‘ (/+6*<,-*+?‘ 7*16,0‘ /‘ 7,‘ <,,5 =‘ /3 *?,<‘ /‘ <<*+? /+‘ 0/-‘ 7.#*+?‘ 8/+6,+ ,<‘ /‘ .88,5‘ 7,‘ -,1*,-67*5‘ /+‘ 7,‘ -,6*?+. */+‘ /0‘ &-‘ * 2‘ 7,‘ 1*66,<‘ +/‘ /55/- $+* =‘ /0‘ <*6G *+?$*67*+?‘ 7*1‘ 7=‘ 1.-M6‘ /0‘ -/=.‘ M*+<+,66‘ *+<‘ 0.#/$-‘ /-‘ *+6 .+8,2‘ 7,‘ -/=.‘ /<?,‘ *+‘ *871/+<‘ .-M2‘ M+/4+‘ .6‘ 7,‘ F7* ,‘ /<?,2‘ 3,*+?‘ .‘ 7*6‘ *1,‘ $+ ,+.+ ,<2‘ *‘ /88$--,<‘ /‘ 7,‘ *+?‘ 7.‘ *‘ 1*?7‘ 6,-#,‘ .6‘ .+‘ .?-,<.3 ,‘ .+<‘ 8/+#,+*,+‘ 6$3$-3.+‘ -, -,.‘ 0/-‘ 7*6‘ &*+*6 ,-‘ .0 ,-‘ 7,‘ / 8*.‘ .3/$-6‘ /0‘ 7,‘ <.=I .+<‘ .88/-<*+? =2‘ 7,‘ +/‘ /+ =‘ 5 .8,<‘ 7,‘ /<?,‘ .‘ 7*6‘ <*65/6.2‘ 3$‘ *+6*6 ,<‘ /+‘ -,5.*-*+?‘ .+<‘ 5$ *+?‘ *‘ *+‘ /-<K-‘ .‘ 7*6‘ /4+‘ 5-*#. ,‘ ,NG 5,+6,‘ ,* 7,-‘ 4.6‘ 7*6‘ 7,‘ 0$‘ .1/$+‘ /0‘ 7,‘ *+?06 <+<+,66‘ + *8*5. *+?‘ 4* 7‘ 7,‘ 1/6‘ .1*.3 ,‘ 6. *60.8G */+‘ 7,‘ <.=‘ /+‘ 47*87‘ 7,‘ 67/$ <‘ 7,‘ .3 ,‘ /‘ *+ -/<$8,‘ 7,‘ <<*+? /+‘ 0.1* =‘ /‘ 7,*-‘ +,4‘ .3/<,2‘ 7,‘ +/‘ 6//+,-‘ 3,8.1,‘ 8/+#. ,68,+‘ 7.+‘ 7,‘ //M‘ .‘ 5 ,.6$-,‘ *+‘ -*<*+?‘ /#,-‘ .‘ *1,6‘ 0-/1‘ ,4‘ /‘ 7,‘ F7* ,‘ /<?,2‘ 0/-‘ 7,‘ 5$-5/6,‘ /0‘ 5,-6/+. =‘ 6$5,-*+ ,+<*+?‘ 7,‘ 5-/?-,66‘ /0‘ 7,‘ *15-/#,1,+ 6‘ .+<‘ -,5.*-6‘ +‘ /+,‘ /88.6*/+2‘ ,65,8*. =2‘ 7,‘ ?//<0+. $-,<‘ 1/+.-87‘ 4.6‘ /‘ 7,‘ 6,,+‘ /+‘ 7,‘ 65/2‘ .88/15.+*,<‘ 7=‘ .‘ 5,-6/+‘ 8.--=*+?‘ .‘ +$13,-‘ /0‘ 6*8M62‘ 47/2‘ $+<,-‘ 7*6‘ <*-,8*/+62‘ 1.-M,<‘ /$‘ .‘ 5 /‘ /0‘ ?-/$+<‘ 8/+ .*+*+?‘ .3/$‘ 6*N =‘ .8-,62‘ 7,‘ 47/ ,‘ /0‘ 47*87‘ 7,

U W

***?' *+ ,+<,< /' 7.#,' 8/+#,- ,< *+ /' 5 ,.6+-,0?-/$+<6' .+< ?.-<,+62' 3$' 47*872' . ' &-' <<*+? /+06' ,N5-,66' 6/ *G 8* . */+2' 4 ,-,' 6$36,@$,+ =' -,<$8,< /' .3/$' 0*#,' .8-,6 ' ' ,+? 7' 7,' +,.-' 8/ 15 , */+' /0' 7,' 4/-M6' ,+.3 ,< 7,' *+?' /' <,65. 87' 7,' 0/ /4*+?' 5 ,.6*+?' *+#* . */+' /' 7*6' &*+*6 ,- Y

' : ' ' ; ' 2

' $0' 3 '# ' ' 2

C'),' *++,*.*1:,' (0' -),' ; (.*"12' ;*@,#-),' "12')(+,' -),' ,<,1"12' ="‰ 6,' /.7' ,' -),.,0(.,' -.1#-# .' //"12-(1' ="‰ 6."12')"# 0* ;"%7' "1')"# #(:"*6%,' -(' -),' (/2,' "1' ":) ;(1/' *.@? 68-')(+,#' * ;(12' -),' 18;6,.' -)*-' -),' %"<,%7' *1/' ,12*2"12' 7(812,#-' /*82)-,.' ="‰ 1(-' 6,' (;"--,/

'D /) ' D-

H+ $8M* =2' 7,' -*1,' &*+*6 ,-' 7.55,+,< /' 3,' <, .*+,< *+' /+</+' /+' 6/1,' 3$6*+,66' /0' $+$6$.' *15/- .+8,2' 47*87' 8/15, ,<' 7*1' /' M,,5' 7,' -/=.' 5.- =' 4.* *+?' 0/-' +,.- =' .+' 7/$-' *+' 7,' $+0$-+*67,< /<?,2' 3,0/-,' 7,' 4.6' .3 ,' /' 1.M,' 7*6' .55,.-.+8,' 7,*-' &.B,6*,62' 7/4,#,-2' 6,,1' /' 7.#,' 3,,+' *+' 7,' 7*?7,6' ?//<7$1/$-' . 0' .' 8,+G $-=' .0 ,-4.-<62' 7,' ,+?.?*+?' =/$+?,6' <.$?7 ,-2L' -,G 0,--,< /' *+' 7,' *+?06' +/V,2' $6,< /' <,68-*3,' 7,' ? ,' 4* 7' 47*87' 7,' -*+8,66,6' ,N5 /-,< 7,' <*00,-,+' .5.- 1,+ 62' .6' 4, ' .6' 7,' ,N -,1,' M*+<+,66' .+< ?//< +. $-,' 1.+*G 0,6 ,< 3=' 7,' *+?' .+< Q$,,+2' +' 7,' 0/ /4*+?' <.=' 7*6' &.B,6=' 4-* ,6' /' 7*6' &*+*6 ,-Y ' 7,' *+?' *6' 7*?7 =' ?-. *0*,< . ' 7,' -,5,. ,< 1.-M6' /0' 7,' 6,+6*3* * =' /0' &-' <<*+? /+06' 7,.-2' 47*87' 1$6' ?-,. =' .<< /' 7,' 8/10/-' /0' 7.#*+?' 5 .8,< 7*1' 4* 7' 6/' 1$87' 5-/5-*, =' . ' 7,' 7,.< /0' 7,' -,.6$-=' ,' -$6 6' 7,*-' 1$ $. ' .00,8*/+' 8.+

I' ,*1' ,‰(=3#' "0,' (0' (./' "/;(8-‰"' <(%' "' ++' U ' U ' -' 6"/' <(%' "' +' U ' -' ::(./"12'-(' -),' +,,.*2,#' (./' "/;(8-)B#' 7(812,#-' /*82)-,.' *-' -)"# -";,' =*# -‰"(' (1' *.."(-' //"12-(1' =)(')*<"12' 6,,1' 5(.1' (1' -‰",' -‰" (0' 81(' ')*/' *-' -)"# +,."(/' 1(-' :(1"X‰(-,/'),.' 0".#-' 7,*.' *1/' :(1#,A8,1-%7' :(8%/' #:*.:,%7')*<,' 6,,1' -‰",' C7(812,#-' /*82)-,.' D' .,0,..,/' -('67' -),' "12

/+ =8,.6,4* 7 7,*-7#,6L 1.=7,1,+*/+,<7. 7,F7* , /<?,Y4*8M,<=<,6*?+. ,<3=(.++*+?7,5 &*+. $6*/+/ <<*+?/+06+*8M+.1,/0 7, /8/-LY8/+*+$,<0/-+/0,4,-7.+0/-=07-,,=,.-6 /3,7,0.#/$-* ,-,6*<,+8,/0 7,.1*.3,&*+*6,-0 /4*76.+<*+?7,7.55=5-/?-,66 47*87 7,*+?4.6 ,#*<,+=1.M*+?/4.-<6-,8/#,-=*4.6 6* <,,1,<,N5,<*,+ /-, .*+/+,*0+/1/-,/0 7,F* *60.1*=.3/$7*6 5,-6/+.5-,8.$*/+.-=1,.6$-,47*87 .6 4* 3,6,,+3=7,0/ /4*+?+/ ,7,5-/ ,6 ,<.?.*+6 4* 7 5.7, *8*15.*,+8, Y

: * :

$0M 9602 9; 9

P), "12=(8%/1(-/('58#-":,-(-),0,,%"12#(0)"#),*.-'"0),*1"1#-*1-/,%*7,/,>+.,##"12")"#:(1<":-"(1(0-),*--*:);,1- -),(./)*1:,%%(.6,*.#)";(0=)":)-),%,--,.1(=6,0(.,)";"#*0.,#)+.((0? 68-*-),#*;,-";,)(:*11(-68-"1-),#-.(12,#-;*",,./,:%"1,)*<"12 .(6,.-$"%%"#*6(8-)";x),%"1,(0 +.*:-":,0(%%(=,/="-)2.,*-:.,/"-67-)*-2,1-%,;*1.,1/,.#"- "1:(;+*-"6%,="-)-),"123# 0,,%"12#-)*-),#)(8%/41(=67 -),2((/1,##(0"<"1,.(<"/,1:,.,#-(.,/-(.,*#(14:(1#8%-**+,.#(1(0-)*-/,#:."+-"(1"#*5,#-7"#+,.0,:-%7#*-"#0",/="-) -),V,*%*1/*--,1-"(1(0.""#6(.1,9"1=)(#,*6#,1:,),="%% :(1#8%-".*1:"# "%;*1 68-:*11(-6,*.:(1#8%-"12*17(0-),E "%%"#0*;"%7-)(82)),="%%,<,.,#+,:-)," :)*.*:-,.*1/ :(1/8:-(0.(6,.-E "%%"#(+,.#(1-)*-,<,.)*#)*/*1,.<(8# 0,<,.:*16,*.-(:(1-"18,-),+)7#":"*1,;+%(7,/(1-),(::*#"(1? *1/-)"#)(%/#;8:);(.,#("1-),:*%*;"-(8#(1,-)*-)*#(%(12 :(10"1,/-),"12 68-(0=)":)),"#1(=:(;+%,-,%7.,:(<,./ <D /) 8S

,.+,,406 *0,/0 /-<'*<1/$ *2#/ '*'55 _ :

/'F7,' /<?,2/-2.6**4.60/-1,-=6=,<2 7,'' /+,' /<?,2 4.63$* '3=,/-?,' 7,' *-6 '.6.'5.8,' 0-,0-,671,+'.0,-'7$*<***?' 7,'<,6*?+,-'/0 7,'3$ <*+?' 4.6 ,+-=2+*+ 7' .-'/0 ,13-/M/ Y *9)' " ' ' * '#/ '*'5' W' +<' <**/+

'-'7/1.6'F* *62**'4/$ <'.55,.-2'7.<'.-,.*='3,,+'-,1/#,<'0-/1'*11,<*.,' .,+<.+8,'$5/+'7/' *+?I' .',.6'7,'8*-8$16.+8,'/0'7*6 ,,-'/'7,' -*+8,66' *>.3,72'/0'7/'(72'3,*+?'<.,<'#,4' -,,+'*+6,.<'/0',4' /$6,2'.6'4,*'.6'7,' 0.8'/0'7,*-'8/--,65/+<,+8,'7.#*+?'3,,+'8.--*,<'/*-'*+'4-*+?'*+6,.<'/0'/-.=24/$<' 6,,1'/',.<'/'7.'5-,6$15*/+' ['4*6606*0,'/0' </+2#/ '*'5' '

+ '$+<.=2 7, ; 7 /0 A$+, Y 7, <.= 5-,#*/$6 /
7. /+ 47*87 7, *+?4.6 /6, /$ /+ 7*6 /+?0
*+ ,+<,< #*6* / F,=1/$ 7Y 7,61. #* .?,87$-87 /0
,4 4* +,66,< 7,R*+ ,-,6*+?65,8.8, /0 7,47/ , /0
7, /=. .1* =2 *+8 $<*+?7, -*+8, /0 F. ,62 3,*+?
5-,6,+ <$-*+?7, 5,-0/-1.+8, /0 X*#*+, 6,-#*8, $+<,-
6 -//02 7,- . ,+<.+8, 7.#*+?3, ,+ ,N5-,66 = ,+B/*+,<
3= 7, 5*/$6 1/+.-87 . ,- *+ 7, <.E2 7, *+?5.*<
. 0-*,+< = 0.+< 0.-,4, D#*6* C / 7, <<*+? /+ 0.1* =2
47/ 4,-, 7,+ ,15/-.-* = -,6*<*+?C*+ &- $+<.6006
7/$6, . F*13,</+ P 7, *+?.+< /=. .1* =2L
R4-*,6 7, -,1*,-2 5.*< . #*6* /0 4/ 7/$-6 / &-6
<<*+? /+ .+< 1=6,0 3+P0'$+<.= ,#,+*+?2 .+< =,6 ,-G
<.= @$* ,< ,42 *+ 5,-0,8 7,. 72 0/- 7, ,4 /-,6
.+< F,=1/$ 7L = 7, , 4 /-,62L &- <<*+?G
/+ 1,.+6" &0 /6,06 6,. /0 ($*0+, 62 /+ *6 3/-<,-62
47,-,2 7, *+?-,1.*+,< 0-/1 &/+<.= * 7, -*<.=
0/ /4*+?2 .+< 0-/1 47,+8,2 /+ 7, F,<+,6<.=2 4, 0*+<
7*6 7/6 4-* *+?.6 0/ /46 Y

" 3 A " * 4 "

. - ' % / / '0 KOO& 22 0 3 9 6E2 *6/*

C "# *5,#-7 :*; , /(=1),., ; (#- +,.0,:-%7 =,%% (1
(1/*7 *6(8- -).,, (3:%(:@ ="-)(8- -), #%"2)-,#- *"i+,*.*1:, (0
0*-"28, 0.(;)"# 5(8.1,7? =*%@,/ *6(8- * %"--%, "1 -), *0-,.1((1
*1/ .,#-,/ ,>-., ; ,%7 =,%% *-1"2)- ,#-,./*7), (./, -(E *%9
)*; 55-(1 -(/"1, ="-) ".* ..7 ,*%,- 4 * <"#"- #,--%,/ #(; ,
=,,@# *2(4*1/ +*##,/ -).(82) 7; "12-(1 R10(.-81*-,%7 *
),*<7#)(=,.0,%% =)"%,)"# *5,#-7 =*# (1 -), .(*/ *6(8- * ; "%,
*1/ *)*%0 #)(.- (0 -)"# +%*:, (,1-.,*-",# :(8%/ +.,<*"% ="-)
)"; -(+8- (1 * 2.,*- :(*- *1/), =*# =,- -).(82) 6,0(.,),
.,*:),/ -), 5f(=1 *%% =),.,), ., ; *"1,/ *6(8- -).,, A8*.-,.#
(0 *1)(8. #+,*@"12 -(-), *7(.*1/ #,<,.*% 2,1-%, ; ,1 ,
-),1 =,1- -(".* ..7 ,*%,3# *1/ /"1,/ ="-)(8- :)*12"12)"#

t , ,4 06 *0,'/0 /-<' '* 1/$ *2# / ' * '5 '_ :
0 +**-. ' '*-' 99P*+0=' /$,2 .- 2 (2 .' * *6 *+50***. *,<' +.#. ' /00*8,-2 .+<' 0/-'
' *+**P*+' /-<'/0' *,' <1*-. =2 <*,<' *+' ,3-$.-=2 9;9

="-)' -),' "12< ,')*#)(-'#800,.,/' "1' -),'#; *%%,#-' /,2.,'0.(;' 7,#-,./*73#' 68#"1,##' "#' *5,#-7' E*#/,%"2)-,/'="-)')"#.,:,+-"(1' *-' (8-)*; +-(1 D I

' [' : ' ' * ' ;

'(8 A* 2M '9I!29; 9

C'),' "12' :*"%' *##8.,' -),' (./')*1:,%%(.')',' :(1-"18,#' /*"%7'"; +.(<"12' "1'#-.,12-)'-)*-')"#' #%,,+'"#1(='<,.7'.,0.,#)"12' *1/'-)*-'),'-.8#-#'=),1'-),' (./')*1:,%%(.':(;,#-(' E,7;(8-)'),'="%%' #,,' A' ;*1"0,#-'"; +.(<,;,1-'*#' ;,/":"1,'"#1(='67'-),' S*/<":,'(."N.' "#6(.1,',1-".,%7'%*"/'*#"/,

V # !)' D-

Dd 7,' .88/$+6' /0' 7,' *+?06 7,. 72 47*87' 0-/1' *1,' /' *1,' -,.87,< /+</+' 0-/1' F,=1/$ 72 5-/#,< /' 7,' 6'**60.8 /-=

' : ' ' ' ; ' ' 9' 2

??@ - 10M 'X /9; 9

C),' "12' .,:,"<,/' ".' //"12-(13# 6(>' -)"#;(.1"12' 68-' -%","@,7')*<"12' 6.(@,1' "1' (+,1"12')*-' (0' -),' E*.' 00":,' 7,#-,./*7'),')*#,1-'0(.'*'1,='(1,'-(' *<"#*-' E"1/#(.'=)":)' :*11(-'*-'#((1,#-'*.."<,'6,0(.,'-(9;(..(='=),1')"# *5,#-7'="R' *1#=,.'"-#:(1-,1-#

C',"#:,.-*"1' .' //"12-(1'="%%'6,'+%,*#,/'*-')*."12'*%%'-),' 0*;"%7'),.,'*"3,'1(='=,%%'),' "12'0"1/#')"#'#%,,+'1(='+,.0,:-' 68-')*-"-"#'1,:,##*.7'-('*<("/'*17')8..7' <,1'-),',<,1-'(0'-),' 6.,*@"12'-),'@,7'2*<,';(.,'81,*#"1,##-)*1'"-'(82)-

!)' D-

' 1.=' 3,' 1,+*/+,<2.6',#*<,+8,'/0' 7,' .+?06 7/$?7 G 0$' M*+<+,662 7.' 7,'0/ /4*+?' <.=2*+' .8M+/4,<?*+?' 7,'-,8,*5' /0' 7,' M,=2 7,',N5-,66,6' 7*6 7/5,' 7.' 7,' 1,66,+?,-' 47/' -,$-+,<0-/1' ($00+,6 8.,<2.?-,,.3,' /'/-<,-2.' F*+87,6,-2 7.'&-2 <<*+? /+' 1*?7'7,.-' /0' 7*6 6/+L[' *6 &.B,6=2L' 4-*,6 <<*+? /+' /' -' $+*+?0/-<2 7.<.' /+,' *1,'.+' *<,.' /0' 6,,*+?' =/$

t' 4*63E6' *0,'/0' </+2#/*'*'5';K 0' </+'&''-*?*+.' g 8,46' *0,'/0' /-<''*<1+$ *2#/*'*'5'_; [' *<

-,.' -* .*+' .+< -.+8,2 7,'5-,7C1*+.-*,6 /0 47*8*7.< 3,,+'6*?+,<'*+' /+</+' /+' 7,'96' /0 8/3,-' 7-/$?7/$' +? .+< 7,' ,#,+' 4.6 7.* ,< 4*7 ,N -./-<*+.-=2 ,+ 7$G 6*.61' .+< -,B/*8*+?6' /-'*+6 .+8,2 .6 (/ /+,' .$-*6 /+2 7,'3,.-,-' /0 7,' -,+,7 -. *0*8. */+2 4.6 /+' 7*6 4.=' 5' 7,' ',8-, .-=' /0 ' .,05 /00*8,2 7,'5/5$ .8,' //M 7,'7/B-6,6 0-/1'7*6 8.--*.?,2 .+< <-.??,<'*' /' /4+*+?' ' -,, ' /' /-< (.-,2 /-< $8M .+< 4-* ,6 /+' 7,'9'72Y F,-,' =/$'+/'.67.1,< /0 /$-',H /', /.+<3 .8M?$.-<62*+' 87.+?*+?' 7,16, #,6*+ /'8/.8707/-6,6 /'<-.?' 7,'8.--*.?,' /0 $/+.5.- ,05 8 8 74 '+*?72 .' /+</+' .+< / 7,-' /4+6 4,-,'*H$1*+. ,<0

+' 7,' +,8,66* =' /0 5,.8,2 .+< 7,'#6<6</1' /0 7,'8/+G <**/+6 /+' 47*87 *' 7.< 3,,+' /3 .*+,<2 5$3*8 1,+' 4,-,' ?-,. =' <*#*<,< *+' /5*+*/+' ' 4.6 7,' 8/+#*8*/+' /0 F*+<7.12 0/-'*+6 .+8,2 7.' 7/6,' '47/2*+' .' 1/1,+' /0 -.67+,66 .+< 4,.M+,662 7.< 0. . =' 5$' 7,*-'7.+<6 /' 7,' -,. =2 7.<6*?+,< 7,'<,. 704.--.+' /0 7,*-'8/$+ -=LT' 88/-<*+?' /' /-< -,+#* ,2 .6/2 7,' ,*C16 /0 7,' -,. =' 4,-,' +/' /+ =' <*6.<#.+ .?,/$6 /' -,.' -* .*+2 3$' 0-.$?7'4*7 +. */+.'<,?-.<. */+' ' /-< -,+#* ,' .+< .' 7*6 0.1*=2L' 4-* ,6 /-< &. 1,63$-=2 '.-,' #*/ ,+' .?.*+6'*'I 1/-,' *M,'5.-='#*/ ,+8,' 7.+' 5$3*8 4*67,6L'[' '*6 .'5,.8,2L'6.*<''*-' 7**5' -.+8*62 '47*87 ,#,-=3/<=' *6? .< /02 7/$?7 +/3/<=' *6 5-/$< /0L'Z

7,-'5,-6/+62 /+' 7,'8/+ -.=Y .+<,65,8*. =' 7/6,'47/2 !d*M,' /N .+< <<*+? /+25 .8,<8/+0*<,+8,'*+' $/+.5.- ,05 5-/0,66,<' 4*67 0/-' 5,.8,'L' .+< .#,-6*/+' /' 7,' 4.-'E Y' 3,*,#`< 7.' 7,' ?-,. ,6' /0 3 ,66*+?6 7.< <,68,+<,< /+

' $8M .+<' (/--,65/+<,+8,E'#/ ' *#' 5' 9 :' 88/-<*+?' /' /-<' & . 1,63$-=' 5 9 '#/ 2'*#'5'K_X' 7,'#,7*8 ,'04.6 .'7.8M+,=08/.87

' ++$.' ,?*6 ,-'0/-'9; 92 +<'5/-2'5'

' /-<' & . 1,67*$=05' *.-*,62#/ ' *#' 5' K9' .-' ' .+7/5,6' *0,'/0' * 2'#/ ' ***' 5' K ' [' /-<' & . 1,63$-=05' *.-*,62#/ ' *#' 5' K

' .-' ' .+7/5,05' *0,'/0' * 2'#/ ' *#' 5' WW

' ,65,8*+?' /N05' 0.* 7' *+' $/+.5.-,6' 5.8*0*8' 5-/0,66*/+62 6,,' .-' $66, 05' &,1/-*.6'/0' /N2'=/ ' ***' 55' : 2 ;_0W

,-8/$+ -=I ,7.< +,#,-6.*< /N.66,+ ,< /.+=
5$3*8 1,.6$-,4*7?-,. ,-6.*60.8*/+ #,+7/6,
47/.-,1/6<*66.*60*,<2L7,4-* ,6 /&- -,=/+7,
9 7/0 8/3,-2 /+=6.=7. ,#,-=?,+ ,1.+*6.?.*+6
* .+< ,#,-=3.8M?$.-<0/-* L 6 0/- <<*+? /+27,
4.6, . ,<3,=/+<1,.6$-, +?, *+?/$ /01=8.-G
-*.?, *+ ' A.1,66 .-M2L4-*0,6 /-< &.1,63$-= /+
7, 7/0 ' ,5 ,13,-2 1, &- <<*+? /+ ,4.6*+
$+8/11/+7*?7 65*-* 62 0-/1 47*87 -,.<* =*+0,--,< 7.
7, ,.8, +,?/ *. */+4.6 *M, = / ,-1*+. ,6$88,660$ =L
+< .?.*+2 4/ <.=6 .0 ,-4.-<6 /-< &.1,63$-= 1,+G
/+6 <<+? /+06 87* <*67 ,N$. */+.+<B/=. .+ ,#,+
/047*87 7, *66$, . 3,6 3, </$3 0$ L0
7, </$3 0$,#,+ . $<,< /3= /-< &.1,63$-=4.62
/08/$-6,2 7, $+8,- .*+ <$-.3* * = /0 7, ,.8,2 .5/*+ /+
47*87 4, 0*+< 7, *+?+/ / /+ =1$87 ,66 6.+?$*+, 7.+
/N .+< <<*+? /+23$ 5/*+ ,< =6 = *+? * 2.+ , N5,-*G
1,+ . ,.8, L /-< &.1,63$-=7.55,+*+?2.3/$ 7*6
*1,2 / 1,, 7, $M, /0)/-M *+ 7, 6 -,, 62 7*6 /=.
*?7+,66 *+@$*-,< 7, +,46 ,.8,2 '*-2L4.6 7, -,5 =2
+ .4,,M2.+<4.-+ .1/+7 00 7, +,N -.4*+?G
-//12L4-* ,6 /-< &.1,63$-=2 7, *+?6.*< / 1,Y
P)/$.-, .?-,. 5-/57, I 3, *,#, =/$- 5-,<*8*/+4*
3, -$,2C 7.< 0/-?/ 47. 7.<6.*< / 7, $M,I /0
)/-M 7, *+?3-/$?7 * / 1=1*+<2 .+< .<<,<Y
67/$< 5-/57,6= 7, 6.1,I .1 5,-6$.<,< =/$.-,
-*?7 CL* + ,- .*+*+? 7,6, </$3 62 /- -. 7,-2 / $6, 7e
+?06 /4+ 4/-<62 5.8+? * , -, *.+8, /+ 7, .66$G
-.+8,6 /0 7/6, 47/ 6, ,#,-=-, *?*/$62 1/-. 2 .+< 6/8*.
5-*+8*5 , . +.$?7 2L7, 4/$< 4* *+? = .+< 4*6, =7.#,
5-,#,+ ,< .5-,1. $-, <*1*+$ */+ /0 7, 1* * .-=6 -,+? 7
/0 7, 8/$+ -= + 1=/5*+*/+2L7, 4-* ,6 / 7, *67/5
/0 F/-8,6 ,- /+ 7, _7 /0 8/3,-2 /+ 7, M,,5*+?$5

. - $66, 06 &/1/-*$ 6 /0 /N2 #/ '***'5' _:'
/-< &.1,63$-=06 *.-*,62 #/ '*#'55'K92K A' 3*<2 #/ '*#'5': '
H'

.' -,65,8 .3 ,' 1 .-*+,' .+<' .-1='04,' 8.+' . /+,' ,N5,8' /' 1,,' 4* 7' 7. ' -,65,8' 47*87' 7,' 7/+/$-.3 ,' .+<' ?. .+' 8/+<$8' 4,' 7.#,' 67/4+' <,6,-#,6 L

* 06' #*,46' /+' 7,' 6$3B,8' /0' 7,' ,.8,' 8/--,65/+<,<' 4* 7' 7,' #*,46' /0' <<*+? /+' ' * ' 8/$+6, ,<2L' 4-* ,6' /-<' &. 1,63$-=2' '.+<' /0' 8/$-6,' <*-,8 ,<' 7,' 47/ ,L0' H+<,-' 7,6,' 8*-8$16 .+8,E' 4,' 8.+' ,N5,8' +/ 7*+?' ,66' 7.+' /' 0*+<' 7,' ,N0&*+*6 ,-' ,N5-,66*+?' 6. *60.8*/+' . ' 7,' 5-,G *1*+.-*,62' 3/ 7' *+' .+<' /$' /0' .-*. 1,+ ' /' &-' /+?' 7,' 4-* ,62' /+' 7,' 96' /0' 8 /3,-2' 7. ' 7,' ,-16' .-,' '8,- .*+ ='7*?7 ='8-,<* .3 ,2' .+<' /+' 7,'47/ ,'#,-='.<#.+G .?,/$6IL' .+<' . ' 7,'6.1,' *1,' 7,',N5-,66,6' 7*16, 0' +,.- ='*+' 7,'6.1,'4/-<6' /' /-<' &$?-.#, A' /-'4.6' 7*6' .+G ?$.?,' *+' .-*.1,+' #,-=' <*66*1*.-' 0-/1' 7. ' /0R 7*6' 5-*#. ,' 8/--,65/+<,+8,' ' F7. ,#,-' 8-**8*612L' 7,' 6.*<2' '1.='3,'.55*,<' /' *+0,-*/-'5.-6' /0' 7,6,' ?-,. ' -.+6.8G */+62' 7,='.-,2' /+' 7,' 47/ ,2' 6$87' .6' .00/-<' ?-,. 'B/=' /' 7,'8/$+-=2' .+<' ,+ * ,' 7,' 0/#,-+1,+' 47*87' 8/+8 $<,<' 7,1' /' ,6 ,,1' .+<' 7.+M6 L[' 7$62' /+' 7,' 1.*+'5/*+' .' *66$,2' 7,'*15/- .+8,' /0'5,.8,' /' 7,'8/$+-=2' 4,-,' * ' .+<' /N' 8/15 , ,='.?-,,<' F* 7' -,?.-<' /' /N2' 7/4G ,#,-2' 7*6' /+?' ,N8 $6*/+' 0-/1' /00*8,' +/ ' /+='3 $+ ,<' 7,' ?-,. ' 6. *60.8*/+' 4* 7' 47*87' 7,' 4/$< / 7,-4*6,' 7.#,' 7.* ,<' 7,' .<#,+' /0'5,.8,2' 3$' .55,.-6' /' 7.#,' ,13* ,-,<' 7*6' #,-=',N*6 ,+8,' /-'*+6 .+8,2' . ' .'5$3*8' 1,, *+?' 7,<' . ' 7,' '7.M,65,.-,' .#,-+' /+' 7,' 9 7' /0' 8 /3,-2' 4,' 0*+<' 7*1',N8 .*1*+?Y ' ' 1.='3,'6.*<' 7. ' 7,' ,.8,' 4,' 7.#,' 1.<,'*6?/-*/$6' /' 7,' -,+87' ,5$3*82' .+<'?/-*/$6' /' 7,' (7*,0' (/+6$' $?7' *' +/' /' 3,'6/'S $?7' +/

' ,+ ,=06' &*68, .+=2' #/ ' NN#*' 5' W9:
' */-<' &. 1863+-=06' *.-*,62' #/ ' *#' 5'
' .-' ' .+7/5,06' *0,' /0' * 2' #/ ' ***' 55' ;W92' W ' &,1/*-6' /0' /3,-' $1,-' F.-<2' 3=' 7/' /+' <1$+<' 7*5562' #/ ' *' 5' W 2' U8
[' .-' ' .+7/5,06' *0,' 30' * 2' #/ ' ***' 5' W ' ' </' +/ ' -,?-,2L' 4/-,' * 06' 4/-<6' .' .' . ,-' 5,-*/<2' 7.#*+?' 65/M,+' *+' 0.#/$-' /0' */' ,.8,' ' *.<' 3/8/1/' .' +,8,660N-=' 1,.6$-,1' .+<' -,6' 0/-' +? .+<2' 7/4,#,-' 67/-2' *6' <,6*-.3 , LY#(' 5' ;:

$+*+ ,-+*5 ,<' .+<' *,' 5$3 *8' 6,-#*8,' 4.6' 8/--,65/+<*+? =' 3,+,0* ,<' 3#*/$6 ='' 7/4,#,-'' 6/' .+/1. /$6' .' 5/ * *8. ' 5.- +,-67*5' 8/$ <' .6' 0/-' +/' #,-=' ?-,. ' ,+? 7' /0' *1, ' +' 7,' /+,' 7.+<'' * ' 7.<' 3,,+' 0/-' //' 1.+=' =,.-6' .88$6G /1,<' /' 7,' /88$5. */+'' 7,' ,N8* ,1,+'' .+<' <*?+* =' /0' /00*8,' +/ ' /' 4*67' ' 3,' -,*$6 . ,<' *+' 7*6' 0/-1,-' @$.- ,-6' . ' 7,' -,.6$-='' 47* ,'' .6' 0/-' <<*+? /+'' 7,' 1/-,' 0.1* *.-' 7,' 3,8.1,' 4* 7' 5$3 *8' 3$6*+,66'' .+<' 7,' ,66' <,5,+<,+' $5/+' 7,' .<#*8,' /0' / 7,-6'' 7,' 1/-,07*6' #.+* =' 6,,16' /' 7.#,' 0. ,-,<' 7*1' 7. ' * ' 4.6' /' 7*6' /4+' *+<*#*<$. ' 1,-* '' .+<' +/ ' /' 7,' 4*6</1' .+<' ,N5,-*,+8,' /0' 7*6' 0-*,+<'' 7. ' 7,' 4.6' *+<,3 ,<' 0/-' 7,' 6$88,66' 47*87' 7.<' 7* 7,- /' . ,+<,<' 7*6' .<1*+*6 -. */+' /0' .00.*-6' 88/-<G *+? =' * ' 4.6' ,66' .+<' ,66' 0-,@$,+ =' 8/+6$,<' 3=' 7*1' f 7,' -,6$ ' 3,*+?' 7. ' 5$3 *8' 3$6*+,66' 4.6' 1/-,' .+<' 1/-,' $+6. *60.8 /-* =' 8.--*,<' /+'' .+<' 7. ' * ' 3,8.1,' ,66' .+<' ,66' 6. *60*,<' 4* 7' 7,' /#,-+1,+

'$87' 4.6' 7,'6 . ,' /0' 7,'5/ * *8. ' -, . */+67*5' 3, 4,,+' * ' .+<' <<*+? /+'' 47,+'' *+' 7,' .$ $1+' /0' 9; '' 7,' .??-,66*#,' .8 6' .+<' -,6 ,66' .13* */+' /0' $/+.5.- ,' 3,?.+' /' ,#*+8,' /' 7,' 5,/5 ,' /0' -,.7 -* .*+' 7/4' 7/ /4' 4.6' 7,' ,.8,' 47*87' 7,=' 7.<' 1.<,'' .+<' 7/4' 5-/3.3 ,'' *0' +/ ' *1 1*+,+'' 4.6' 7,' -,+,4. ' /0' 7/6* * *,6' 7,+' * ' 4.6' 7. ' 1,+' 3,?.+' /' .6M' 7,16, #,6' 47, 7,-'' *+' .' 6,.681' /0' ?-,. ' ,1,-?,+8='' 6$87' .6' 6,,1,<' /' 3,' . ' 7.+<'' 7,' <,6G *+*,6' /0' .' ?-,. ' 8/$+ -=' 8/$ <' 4* 7' 6.0, =' 3,' ,0' *+' 7,' 7.+<6' /0' 6/' 0,,3 ,' .' (.3*+, ' .6' 7. ' /0' 47*87' <<*+? /+' 4.6' 7,' 7,.<'' .+<' /0' 6/' 6,8/+<0-. ,' .' 6 . ,61.+' .6' <<*+? /+' 7*16, 0' * '' *+<,,<'' 7.<' 67/4+' 7*16, 0'' .6' .' F .-' &*+*6 ,-'' *+8/15.-.3 =' *+0,-*/-' /' 7*6' * $6 -*/$6' 0. 7,-I' 3$ '' /+' 7,' / 7,-' 7.+<'' 7*6' 67/- 8/1*+?6' 4,-,' /#,- //M,<' 3=' 7,'5$3 *8' *+' 7,*-' .<1*-. */+' /0' 7*6' 65 ,+<*<' , /@$,+8,'' 7*6' ,1*+,+' .<1*+*6 -. *#,' .3* * *,6'' 7*6' $+6, 0*67' 5. -*/ *61'' .+<' 7,' *+</1* .3 ,' 0/- * $<,' 47*87' 7,' 7.<' <*65 .=,<' *+' 6,.6/+6' /0' <*00*8$ =' .+<' <.+?,-' +' 7,' / 7,-

3$-=<*-,8 =*+ ,--/?. *+? /-< -.+#* , ,#,6/+/+ 3, 6$3B,8 -,1*+<,< ,#,6/+2L 3, 4-* ,62 /0 43. <<*+? /+ 3.< 6.*< /* **1 47,+ 3, -,6*?+,< ,#,6/+ 6.*< 3, / /.+< 7. 3, //M,< $5/+ 3*1 /+ = .6 . 0/- * L

/- 4.6 * /+ =*+ 7,6, 8/+0*<,+ *. 8/1 1$+*8. */+6 4* 3 (.++*+?2 7. * 4.6 3, -.=,< *+ /,N5-,66*+? <*6G 6. *60.8 */+ . 3, 1.++,- *+ 43*83 <<*+? /+ 4.6 8/+G <$8 *+? 3, 3$6*+,66 /0 3, +. */+ /- *+6 .+8,2 47* , 8/+#,-6*+? 4* 3 /-< &. 1,63$-=*+ 3, 1/+ 7 /0 /G #,13,-2 4, +/ /+ =0*+< 3*1 /3B,8 *+? / 3, *+?06 65,,87 .6 3,*+? #,-=#.?$, .+< //6,2L 3$ 5/*+ *+? / /+, /0 3, 6 . ,1,+ 6 *+ *2 .+< .<<*+? 7. * 4 '2 ?.*+2 47,+ <<*+? /+ 6$31* ,< / 3*1 3*6 0*+.+8*. ,N5/6* */+2 5-,5.-. /-= / 3*6 3-*+?*+? 3*6 3$<?, 3,0/-, 3, /$6, /0 (/11/+62 * +/ /+ =.+*1.<#,- ,< /+ 3, ,+/-1* = /0 3, 1*68. 8$. */+6 Y,6 *1. ,< 3= 3*1 / .1/$+ / +/ ,66 .6$1 7.+ 2; 2 j 20 Y3$ 2 /* .+/ 7,- /88.6*/+2 4, 0*+< 3*1 ,N5-,66*+? 3*6 8/+#*8 */+ 7. 3, 47/ , /0 7/6, 6 . ,1,+ 6 4,-, 0/$+<,< /+ / .-*6*+? 0-/1 7, 1/6 87* <*67 '' [

4.6 .3/$ 7*6 *1, .0.#/$*0 ,5-/B,8 /0 (.++*+?2 .+< /0 3*6 0, /40687,1,-62 / .<<-,66 .1,1/-*. / <<*+? /+2 *+ 47*872 *+ .+?$.?, .6 * , /00,+6*#, .6 5/66*3 ,2 * 4.6 / 3, *+ *1. ,< / 7*1 7/4 63?3 4.6 3, 8/+0*<,+8, 3, 8/$+ -= 5<(,< *+ 3*6 <1*+*6 -. */+2 .+< 8/+6,@$,+ = 3/4 ,N5,<*,+ * 4.6 7. 3, 67/$ < -,6*?+ 3, 7, 1 /0 ?/#,-+1,+ / * / 7*6 </8$1,+ * 4.6 7/5,< / /3 .*+ 3, 6*?+. $-,62 +/ /+ = /0 * 06 0-*,+<6 .+< /0 / 7,-5,-6/+6 /05/ **8. *15/- .+8,2 3$,#,+ /06/1, /0 3, 6$55/- ,-6 /0 /#,-+1,+ 4.6 0$- 7,-7/5,< 7. 3, 5-/B,8 1*?7 3, M,5 0-/1 7, M+/4 ,<?, /0 * =

I (./ *%;,#68.73# "*.",#*<(%'"<'+ ,,' *%#(' 6"/ '++' L9 =),.,'-),' 8@,' (0 (.@' "1' A8(-"12' -),' =(./#' #,,;#-(',1-,.-*"1'1(' /(86-' -)*-' -),7'=,.,' *:-8*%%7'#+(@,1'67 //"12-(1' -' 6"/ 'B<(%'"<'+' -' *.% -*1)(+,3# "0,'(0 "--'<(%'""" '+U ' Z (#,3# "*.",#*<(%'"'++'L 9

6/1,' .88*<,+ 7/4,#,-7,' 3,8.1,' .55-*6,< /0 47.' 4.6 5.66*+?7 .+< .88/-<*+? =7 /+' '$+<.=' 7,' 96'/0 /#,13,-7 6/',.- ='.67. 005.6',*?7'/08 /8M*+' 7,' 1/-+*+?7 7,'-,5.*-,< /' /-< &. 1,63$-=06 .5.- 1,+ 6 .' . 7 0/-' 7,' 5$-5/6,' /0 5-/ ,6 *+?' .?.*+6' 7,' 4, 01,.+'*+ ,+ */+6 /0 7*6 0/ G /4,-6' -*?*+. *+?7 7,' 6.*<7 .6 7,' 5-/B,8' <*< *+' 7*6 5,-6/+.' 0-*,+<67 *' 4/$ < 7.#,' . ' 7,' .5BX,.-.+8,' /0 .' 5 /'/-'8.3.'I 3,6*<,6 47*877$47, 7,-'7,'M+,4'/0*'<*-,8 =7 /-7 .6 4.6 7,'8.6,7 .88*<,+ . =7*'4/$ <3,'*15/66*3 ,'0/-' 7*1' /',68.5,' 7,'*1B*$. */+' /0 8/++*#*+?' .'*7 /-' .#/*< 6$65*8*/+6 7.' 7,'4.6 .'5.-='/'* L' 07 .<<,< * 7 7,' 5$3 *8'4,-,'.6 .+N*/$60/-'7*6-, $-+' /'5/4,-'.6 **6 0-*,+E' 6,,1,< /'6$55/6,7 7,' Y/ $+<,-' .+='8*-8$16 .+8,67 3,' *+#* ,< 3.8MI' 3$'*0' 6$87' 4.6 +/' 7,'5-,#.**+?' <,6*-,7 7,+' '7*6 8/1*+?' *+ /' /0 8,' . ' . ' 4.6 $6, ,66 .+< *1G 5-/5,-L' ' 7,'6.1,' 6,+6*3 ,' #*,4' /0 7,' <*00*8$ =4.6 .M,+'3=' 7,' . ,' .-'/0 /+6<. ,7 7,+' /-< /4 7,- /# C 7,' .86 /0 &-' * 06 8/+0*<,+ *.'0-*,+<62L' 7,' 4-* ,62 '4*'3,'8/+6*<,-,< .6 7*6 /4+7 .+<' ,.#,'*' /'=/$-'1*+< /'6$??,6' /'=/$ 7/4'0.-'*'4/$ <3,'8/+?,+*.' /' 7,' $-+' /0 7*6 1*+<' /'-, $-+' /'7*6 6* $. */+' * ' 7,'#/*8,' 0 7,'8/$+ -='8. ,< 0/-'*'*+' .' /+,' 7,'8/$ < +/' -,6*6' 7*6 1.='.+< 1/6'5-/3.3='4*'3,' 7,'8.6,'I .+< /'5-,G 8*5* . ,' 7.' ,#,+7 3='.+='*+ ,-5/6**/+7 1*?7' 5,-7.56 -,+<,-'7*6 6,-#*8,6 ,0,6 ,00*8.8*/$67 .+< 6$3B,8' 7*1' /'6$6G 5*8*/+6 7,'4/$ <+/' 4*67 /' ,+8/$+ ,-L'0 H+<,-' 7,6,' 8*-8$16 .+8,6 7,' , ,-' /' <<*+? /+' 4.6 6$55-,66,<' /$3 ,66 * 06 6*' 6$-#*#*+?' .00,8*/+' 0/-' <<*+? /+' 7.<*6 67.-,'*+'*+<$8*+?' 7*1' /' -,.'7*1' 4* 7 1/-,' ,+G <,-+,66 7.+' 7,' 1*?7' / 7,-4*6,'7.#,'</+,' /' /+?' .0 ,-4.-<67 0/-'*+6 .+8,7 4,' 0*+< * ' <,5-,8.*+?' 7,' /#,-0>,.' /0 7*6 =/$+?' 0-*,+<(.++*+?7 .6 3,*+?' *M,='/' /88.6*/+7 '47.'/0 . ' 7*+?6 7,' 1/60' -,B*-/3.,<2L' 7,

' UX ! ,13-/**+? 7*1 5,-6/+. =L 04* 7 <<*+? /+ .+< /-< .4M,63$-=

1/+? /7,- 8.$6,6 47*87 . 7*6 *1, .66*6 ,< /* *+8-,.6, * 06 ?-/4*+? 5-,B$<*8, .?.*+6 <<*+? /+ .+< 7*6 8/ ,.?$,6 4.6 . 5.-*8$.-= /00,+6*#, . .8M $5/+ 7*1 *+ .+ .-*8 ,47*87 .55,.-,< *+ 7, P *1,6C+,465.5,- /+ 7, +< /0 ,8,13,- + 7, P *1,6C /0 =,6 ,-<.=2L 4-* ,607*6 0-*,+< /6, /+ 7, -<2 *6 . 1/6 #*-$,7 .+< , .3/-. , . .8M /+ &- * .+< 7*6 0-*,+<62 .+< . 1/6 0$ 6/1, 5.+,?=-*8 /+ 7, 5-,6,+ &*+*6 ,-62 3$ 4-* ,+ 4* 7B*3* *= 7, ,<* /-/0 7*6 5.5,- , 4 & , "2 7, ,66.= *6 <,G ,6 .3 , *+ . * 6 5.-62 3$ 1/-, 5.-*8$.-= 6/ 0/- 7, .+?$.?, *+ 47*87 &- * *6 ?-/66 = 8,+6$-,< 0/- 7*6 6M$ M*+? 0-/1 /00*8, *+ .<*6?-.8,0$ 1.++,- *+ 7, 7/$- /0<.+?,-2 .+< .3.+</+*+? <6 '/#,-,*?+ L A * 06 .+?,-2 /+ 5,-$6*+? *2 4.6 #,-= ?-, , 4.6 <, ,-1*+,<2 7, / < /6,2 /*+ *1. , /* <<*+? /+ 7. 2$+ ,66 7, .- *8 , 4,-, 5$3 *8 = .5/ /?*6,< 0/-2 /-2 . . ,#,+ 62 5$3 *8 = <*6.#/4,< *+ 6/1, 67.5, /- / 7,-2 7, 67/$ < -,?.-< * .6 3,*+? 8/$+ ,+.+8,<2 3= 7, <1*+*6 -. */+2 .+< .6 7.#*+? <<*+? /+06 6.+8 */+ [+0$- 7,- 8/+6*<,-. */+2 7/4,#,-2 7, . /4,< 7, 1. ,- /*-,6

Q$* *+? . 7 7, <.= 3,0/-, (7-*6 1.6 .=2 * 5-/G 8,,<,< /* /6,06 6,. . ($00+, 62 47,-, 7, -,1.*+,< * 7, : 72 47,+ 7, 6, /00 /* 5.= . 67/- #*6* /* /-< &. 1,63$-= * 2L 4-* ,6 7*6 /-<67*52 8.1, /* .-M .8, .3/$ 6,#,+ *+ 7, ,#,+*+?2 /* . . , <*++,- &- */ 4.6 7, /+= 5,-6/+ *+ 7, 7/$6, 3,6*<,6 1= <.$?7 ,-6 .+< *>7.--*6 * 4.6 7, 5 ,.6.+ ,6 8/10

I (./ *%;,#68.73# "*.",#<(% "<+ ! (6,.- **%.# ,1@"1#(1 *.(1 *=@,#68.7=*#"1 ,:,;6,. ! 8;;(1,/-(-),(8#,(0 (./#5 7 /67-)*-.-%, 1-),-)(0 ,:,;6,.) ,#8::,,/,/6"# 0*-),.*# #,:(1/ *.% (0 "<,.+((% *1/(1-),*##*##"1*-"(1 (0 . ,.:,<*% "1 81, = *#*+G +("1-,/ ".#- (./(0w",.,*#8.7=):)")2)+(#-),0"%%,/-"%% +."% ,/",/ ,:,;6,.U

- "%,7 //"12-(1 (#,3# "*.",#<(% "+L Z 6"/ <(% "+L

5.+*/+ 5/66*3 , . .+< .0 ,- <*++,-2 43, 3,- 8/+#,-6*+? 4* 72$6 /- 4* 7 7, 12 .+< 4, 6. $52 4* 7/$ 2 -,G 0,-,+8, /5$3*8 8/+8,-+62 * +, .- /+, /08 /8ML 7, +,N <.=2*7, 5.- = 4.6B/*+,<3= (.++*+?2 4* 7 47/12 /+ 7, 32 * 5-/8,,<,< / /-< -,+#* ,06 6,. 2 -/50 9; 1/-,2 47,-, 3, -, 1.*+,< *H 7, 96 /0A.+$.-= 7,+8, 3, 5-/8,,<,< /mE -/1 ,= *H2 7, 6,. /0 3*6 0-*,+< &- /+?2 .0 ,-4.-<6 /-< .-+3/-/$?32 47*872 0/- . 67/- *1,2 / 8/1,2 7, 6,,16 /7.#, 1.<, 7*6 7,.<0@$.- ,-6 4.6 .3/$ 7*6 *1, 7. * 5.*< 4/ #*6* 6 / <<*+? /+ . *8712 /0 /+, /0 47*87 /6, ?*#,e $6 . 8$-*/$6 .+<*+ ,-,6*+?.88/$+ *+ 7*6 *.-*,6 &- * 2L 7, 4-* ,62 /< 1, 7. 47,+ 7, 4.6 *+ /4+2 .0 ,- (7-*6 1.62 7, <*+,< .+< 6 ,5 . &-0 <<*+? /+062 *+ *87G 1/+< .-Mf 7. 7,=4,-, . /+, 7, 47/ , .0 ,-+//+ .+< ,#,+*+?2 .+< .8/+6*<,-.3 , 5.- /0 7, +,N 1/-+*+?2 *+ . 47*87 *1, &- <<*+? /+ +,#,- <-/55,< 7, -,1/ ,6 7*+ .3/$ &- * -, $-+*+?/ /00*8,f 3$ *+ 7, 87.*6,2 8/1*+? *+ / /4+2 47,+ 7,= 7.< -,.87,< =<, .-M2 &- <<*+? /+2 *+ .#,-= ,13.--.66,<1.++,-2 ,+ ,-,< /+ 7, 6$3B,8 3= 6.=*+? 7. *0 /-< -,+#* , 7.< +/ 6. ,< 7, *+<*65,+6.3 , +,8,66* = /0 &- * 8/1*+? *+ / /00*8, / 8.--= /+ 7, /#,-+1,+2 7, 67/$ <7.#, 3,,+ <*65/6,< 7*16, 0 / 5-/5/6, 7*6 -, $-+ / .<1*+*6 -. */+2 .+< 0/G /4,< 7. $5 *+ . 4 *= 7. -,+<,-,< * *15/66*3 , 0/- &- * / -,1.*+ 6* ,+ , 7,-,0/-, 6.*< 7. 47,+,#,- * 67/$ < 3, 7/$?7 7,-, 4.6 . +,8,66* = 0/- 7*6 -, $-+*+? / /00*8,2 7, 67/$ < 8/+6*<,- #,-= . ,+ *#, = 7/4 0.- * 4/$ < 3, -*?7 .+< 5-/5,- 0/- 7*1 / </ 6/f .+< *+ 6$87 .+ ,#,+ 7, 67/$ < 0*-6 <,6*-, / M+/4 47. 7*6 &.B,6 =06 4*67,6 1*?7 3, /+ 7, 6$3B,8 2 .+< 7. 7, 67/$ < +/ <,8*<, 4* 7/$ M+/4*+? 7, /5*+*/+ /0 &- <<*+? /+ .+< 7*6 8/ ,.?$,6 .35$ * .55, .-,<2 0-/1 &- <<*+? /+ 7.#*+? <, .=,< 7*6 8/+#,-6. */+ * 2 7*6 *1,2 4* 7*+ ,+

1*+$,6' /-' .' @$.- ,-' /0' .+' 7/$-' 3,0/-,' 7,*-' 6,5.-. */+2'
0*+<' 0-/ 1' 7,' ,N -, 1,' ,13.--.661 ,+' 7,' 4 .6' $+<,-' <$-*+?'
*2' 7. ' 7,' 0, ' -, $8 .+' .+<' .4M4 .-<' *+' 3,?*++*+?' * 2' .+<'
7. ' 7,' 4*67,<' * ' /' 3,' /0' +/' /+?' 8/+ *+$.+8, L
,0/-,' 7,' ,+<' /0' A.+$.-=2' * ' 7.<' .M,+' $5' 7*6' .3/<,'
. ' 7*6' /4+' -,6*<,+8,2' F . 1,-' (.6 ,' ' * ' +/ ' =, ' 8/1,'
$52L' 4-* ,6' F* 3,-0/-8,' /+' 7,' 9 7' /0' ,3-$.-=' f ' ' 6$6G
5,8 ' +/ ' #,-=' 0-*,+<' =' /' <<*+? /+' B$6 ' +/ 4 L0
+' 7,' 1,.+' *1,2' .6' 7,' .+?$.?,' /0' $/+.5.- ,' ?-, 4'
1/-,' *+6/ ,+' .+<' 1/-,' 1,+.8*+?2' .+<' .6' 7,' 5-/65,8 ' /0' 4 .-'
8/+6,@$,+ =' 3,8.1,' ?-,. ,-2' 7,' <,6*-,' /0' 7,' 5$3 *8' 0/-'
7,' -, $-+' /0' * ' /' 5/4,-' 3,8.1,' 1/-,' ?,+,-. ' .+<' 1/-,'
/$<' =' ,N5-,66,<' ' * 06' -, $-+' . M,<' /0' .+<' 4*67,<2L'
4-* ,6' F* 3,-0/-8,' /+' 7,' ; 7' /0' &.-87 A' / ' /+ =2' *+'
7,' 1/+ 7' /0' A.+$.-=2' <*<' /+,' /0' <<*+?0 /+06' /4+' 8/ G
,.?$,62' /-<' , 7.12[,N5-,66' .' ' 1/6 ' 6*+8,-,' 4*67' L'
7. ' * ' 4.6' .?.*+' . ' 7,' 7,.<' /0' 7,' -/#,-+1,+ 2' 3$ '
6/1,' *1,' .0 ,-4.-<62' 7,' -,6*<,+' /0' 7,' (/$+8* 2' 7,'
$M,' /0' /- .+< Y 3, *,#*+?' 7*16, 0' . ' 7,' *1,' /' 3,' /+'
7*6' <,. 703,< Y .<<-,66,<' .+' .00,8 *+?' , ,-' /' 7,' *+?2'
*+' 47*87' 7,' 6/ ,1+ =' .<#*6,<' .+<2E' ,+ -,. ,<' 7*1' /' -,8. '
&-' * ' /' 7*6' 6,-#*8,2' .6' 3,*+?' ' 3,=/+<' . ' 8/15.-*6/+'
7,' 0* ,6' 1.+' /' 3,' . ' 7,' 7,.<' /0' 7,' /#,-+1,+' *+'
*1,6' /0' <*00*8$ =' /-' 5,-* Lf' ' 7.6' 3,,+' 6$55/6,<' 7. '
*' 4/$ < 7.#,' 3,,+' 0/$+<' +/' ,.6=' .6M' /' *+<$8,' 7,'
+?' /' 5.-' 4 7' <<*+? /+2' 3$' 6$87' 4/$ < 68.-8, =
6,,1' /' 7.#,' 3,,+' 7,' 8.6,' /-' *+6 .+8,2' .6' 0.-' 3.8M' .6'
7,' 96' /0' /#,13,-2' 4,' 0*+<' 7,' $M,' /0') /-M' /36,-#*+?'
/' /-<' &. 1,63$-=Y ') /$' 4, ' M+/4' 4,' +,#,-' . M' /
7*6' &.B.6 =' /+' 5$3 *8' .00.*-6f' 3$' 2' 0-/1' 7,' 0,4' 7*+?6'

I' (#,3# "*.",#'<(%'''' '++' 9
-' "0,' (0' E"%6(-0(.:,'67')"# (1#'<(%'''''+' ' 6"/ '<(%'''''+'
Z')(;*# (./' ,%)*;'*0-,.=*./# #,:(1/' *.%' (0')":),#-,.'),%/'-),' ,*%#*#
,:.,-*.7' (0' -*-,'0(.'-),' (;(' ,+*.-;,1-'0.(;'! -)' 8%7' '-(' -)' 8%7' '
,'/",/'(1'-),'U-)'(0' 8%7'
' (#,3# "*.",#'<(%'''' +'U

‘ 7.#,‘ 7,.-< 7*1‘ 6.=2 ‘ 8.++/ ‘ 3$ ‘ 6$55/6,‘ 7*6 &.B,6 =‘ 8/+6*<,-6 7,‘6 . ,‘ /0 7,1‘ /‘ 7,‘#,-=‘ 7$1* *. *+?‘ /‘ 7*6‘ 8/$+ -= L‘ ?.*+2 /+‘ 7,‘ 9; 7 /0 ,3-$.-=2 4,‘0*+< 7,‘ $M,‘ ,N5-,66*+?‘ 7*6‘ 0$- 7,-‘ 8/+#*8 */+‘ /‘ EB/-< &. 1,6G 3$-=2 7. 2 *+‘ 7,‘ ,#,+‘ /0 <<*+? /+‘ 4.*#*+?‘ 7*6‘ 8 .*16‘ *+‘ 0.#/$-‘ /0 * 2 +/ ‘ /+ =‘ 4/$ < 7*6 &.B,6 =‘ /00,-‘ +/‘ /3B,8 */+‘ /‘ 7,‘ -, $-+‘ /0 7,‘ . ,-‘ /‘ 7,‘ -,.6$-=2 7$‘ 7. ‘ * ‘ 4/$ < ‘7,‘#,-=‘ .?-,,.3 ,‘L‘ /‘ 7,‘ *+? 0

" ,-=‘ <*00,-,+‘ *6‘ 7,‘ .+?$.?,‘ *+‘ 47*87‘ 4,‘0*+< /N‘ . $<*+?‘ /‘ 7,‘5/66*3 ,‘-, $-+‘ /0 7*6‘ ?-,. ‘ -*#. ‘ /‘5/4,-‘ ‘ 7,-,‘*6 6/1,‘ . M‘ /0 * 2L‘7,‘4-* ,6‘ /‘ /-< .$<,-<. ,‘ /+‘ 7,‘ 96‘ ‘ /0 5-* 2 ‘ ‘3$ 2 ‘ 3, *,#,2 . ‘ *< ,‘ ,‘M+/46‘ 7*6‘ *+6*?+*0*8.+8,2 .+< </,6‘ +/ ‘ *M,‘67/4*+?‘ * LA‘ ‘ 0‘ 7,‘ 8/$+ -=‘LY7.< 3,,+‘ 7,‘ .+?$.?,‘ /0 * ‘0/$-‘ 1/+ 76‘5-,G #*/$6 = Y <,6*-,6‘ /‘ /4,-‘ * 6, 0‘ /‘ /N‘ .+< /‘ 7,‘ <*6G ?-.8,0$‘ ,#,‘ /‘ 47*87‘ /N‘ *6‘ <*65/6,< * ‘67/$ < 6*+M2 7,‘ *6‘ 7,‘ /+ =‘5-/5,-‘ 1.+‘ /‘?/#,-+‘ * L[

F7,+‘ .- *. 1,+‘ -,0.66,13 ,< .0 ,-‘ 7,‘ (7-*6 1.6‘ -,8,662 * ‘ 4.6‘6 * ‘ 1*66*+?‘ *+‘ 7*6‘ .88$6 /1,< 6,. ‘ *+‘ 7,‘ /$6,‘ /0 (/11/+62 3,7*+< 7,‘ -,.6$-=‘ 3,+87‘ *6‘ 1/ *#,6‘ 0/-‘ .36,+ *+?‘ 7*16, 0‘ 0-/1‘ .- *. 1,+‘ 4,-,‘ </$3 ,66‘ 7/6,‘ 47*87‘ /-< ' .+7/5,‘ 7.6‘ 5/*+ ,< /$ f2 *66. *60*,< 4* 7‘ <<*+? /+05 0/-,*?+2 +/‘ ,66‘ 7.+‘ 4* 7‘ 7*6‘ 0*+.+8*. ‘ 5/ *8=2 7,‘ 1$6‘ ,* 7,-‘ 7.#,‘ 6$55/- ,< 7,‘ /#,-+1,+‘ 8/+ -.-=‘ /‘ 7*6‘ 8/+68*,+ */$6 8/+#*8 */+62 /-‘ ,6,‘7,‘1$6‘7.#,‘ -$+‘ 7,‘ -*6M‘ /0 4,.M,+*+?2 *0‘ +/ ‘ /#,-G 7-/4*+?2 7, f 1*+*6 -. */+2 . ‘ .‘ 1/6‘ 8-* *8. ‘ *1,2 47,+‘ 7,‘87.+8,6‘ /05,.8,‘ /-‘4.-‘4,-,‘ ,#,+ =‘3. .+8,< *+‘ 7,‘68. ,6

* ‘ 4.6‘6 *H .36,+‘0-/1‘ .- *. 1,+‘ 47,+2 /+‘x7,‘ 7‘ /0 &.-872 7,‘ -,8,*#,< .‘ #*6* ‘0-/1‘ 7*6 / < 0-*,+< .+< 8/0e ,.?$,‘ ,+-=‘ $+<.62 -,8,+ =‘8-,. ,<)*68/$+‘ &, #* ,2

I‘ (./‘ *%51,#68.73# "*.",#‘<(%‘"<‘+‘ -‘ 6"/ ‘<(%‘"<‘+‘ ‘
‘ *.%%8# (R3# , ; (."*%#(0 (>‘<(%‘""‘+‘U ‘
Z +(./‘ *%; ,#68.73# "*.",#‘<(%‘"<‘+‘ ! "0,‘(0 "--‘<(%‘"<‘+‘

47/‘ 8.1,‘ 3=‘ <<*+? /+‘6 ,N5-,66‘ <,6*-,‘ /‘ $-?,‘ 7*1‘ /‘ B/*+‘ 7*6‘ <1*+*6 -. */+‘ F7, 7,-‘ *+‘ .M*+?‘ 7*6‘ 6 ,5‘ <<*+? /+‘ 4.6‘ .8 $. ,‘ 3=‘ +/‘ / 7,-‘ 8/+6*<,-. */+‘ 7.+‘ .‘ ?-/ 4*+?‘ 6,+6,‘ /0‘ 7,‘ 4,.M+,66‘ /0‘ 7*6‘ 5/6* */+‘ /-‘ 47, 7,-‘ .6‘ *.6‘ 3,,+‘ 6$55/6,<‘ 7,‘ 4.6‘ *+0 $,+8,‘ 3=‘ 7,‘ 0$*C7,-‘ /3B,8‘ /0‘ 5-,#,+ *+?‘ .+‘ ,N5/6$-,‘ /0‘ 7*6‘ 0*+.+8*.‘ 1*68. G 8$. */+6‘ 47*87‘ 4/$ ‘ *+‘ . ‘ 5-/3.3* * =‘ 7.#,‘ 3,,+‘ 7,‘ 8/+6,@$,+8,‘ /0‘ * ‘ .M*+?‘ .‘ <,8*<,< =‘ 7/6 * ,‘ 5.-‘ .?.*+6‘ 7,‘ -/#,-+1,+‘ .-,‘ @$,6 */+6‘ /0‘ +/‘ #,-=‘ 1. ,-*.‘ *15/-G .+8,‘ ‘$0 '8*,+‘ * ‘ *6‘ /‘ 6 . ,‘ 7.‘ .‘ 7,‘ 0*-6‘ 0.#/$-.3 ,‘ /55/- $+* =‘ ‘.0 ,-‘ <*++,-‘ .+<‘ 5/-‘ 4*+,2L‘ /-< &, #* ,‘ ‘3,?.+‘ 8.$ */$6 =‘ /‘ /5,+‘ 7*6‘ 5-/5/6. 6L‘ /‘ .‘ 6 . ,61.+‘ 47/‘ *M,‘ * ‘ 7.< 0/-‘ 6,#,+ , ,+‘ =, .-6‘ ,+B/=,< . 1/6‘ $+ *1* ,< 5/4 ,-‘ .6‘ *-6‘ &*+*6 ,-‘ /0‘ 7,‘ (-/4+‘ 7/6,‘ 5-/G 5/6. 6‘ 1$6‘ 7.#,‘ .55, .-,< .6 /$+<*+? =‘ $+6. *60.8 /-=‘ <<*+? /+‘ * ‘ 4.6‘ 6$??,6 ,<‘ 67/$ < ,N87.+?,‘ 7,‘ -,G 1*,-67*5‘ 0/-‘ /+,‘ /0‘ 7,‘ ' ,8-, .-=67*56‘ /0‘ ' . , ‘ * ‘ . 6/‘ 4.6‘ /‘ 3,‘ .‘ ' ,8-, .-=‘ /0‘ ' . ,‘ /-‘ *0‘ 7,‘ 5-,0,--,<‘ * ‘ (7.+G 8, /-‘ /0‘ 7,‘ N87,@$,-‘ f .‘ 7*-< 5,-6/+‘ .55.-,+ =‘ /-< (7** 7.1‘ 4.6‘ /‘ 3,‘ .‘ 8*57,-‘ . ‘ 7,‘ 7,.< /0‘ 7,‘ <1*G +*6 -. */+‘ '$87‘ 8/+<* */+6‘ .6‘ 7,6,‘ * ‘ *6 +,,< ,66‘ 5,-7.56‘ /‘ -,1.-M‘ 4,-,‘ $+7,6* . *+? =‘ -,B,8 ,<‘ * ‘ *6 ,+,< /‘ 7,1‘ 4* 7‘ .6 /+*671,+ ‘ $+<.62L‘ 4-* ,6‘ F* 3,-0/-8,‘ ‘6.4‘ * ‘ 4/$ < +/ ‘ </‘ .+< 6 /55,< .3-$5 =‘ P ,. =2C 6.*< * ‘ 4* 7‘ .‘ 6 =‘ 6,#,-* =Y .+< * ‘ 4.6‘ . 1/6‘ 7,‘ /+ =‘ 67.-5‘ 7*+?‘ ‘ ,#,-‘ 7, .-< 7*1‘ 6.=‘ /0‘ .+=‘ 0-*,+<YP ‘ 7.< +/ ‘ 7,‘ 8$-*/6* =‘ /‘ .6M‘ 47. ‘ ‘ 4.6‘ /‘ 3, CL

<<*+? /+‘ 7/$?7‘ <*6.55/*+ ,< . ‘ 7,‘ -,6$ ‘ /0‘ /-< &, #* ,0‘ 1*66*/+‘ 4.6‘ +/ ‘ <*67,.- ,+,<‘ 88/-<*+? =‘ .+/ 7,- ‘8/11/+‘ 0-*,+<‘ &-‘ /+?‘ -,5.*-,< /‘ F. 1,-‘ (.6 ,‘ 3,.-*+?‘ 4* 7‘ 7*1‘ .‘ #,-3. ‘ 1,66.?,‘ 0- ‘ +‘ <<*+?G /+‘ /‘ 7,‘ ,00,8‘ 7. ‘7,‘ 4.6‘ -,.<=‘ /‘ -,6*?+‘ 7,‘ -,1*,-0‘

n

I‘ "0,‘ (0‘ E"%6,.0(.:,‘ 67‘)"# (1#‘ <(%‘ """‘ +‘),‘ =(./# "1‘-),‘-,>-‘ ;8#-‘ 6(‘ *::,+-,/‘ ="-)‘ #(;,‘ .*(/"0%(*-"(1‘ "--‘ :,.-*"1%7‘ %"#-,1,/‘ -(‘ ,<,.7-)"12‘ -)*-‘ (./‘ ,%<"%%,‘)*/‘-(‘ #*7‘-)(82)‘<,.7‘+.(6*6%7‘="-)‘*# %"--%,‘+*-",1:,‘*# #*-"#0*:-"(1

$ ‘ ‘ ‘

67*5 /* 2 3= .88,5 *+? 7, 5/6 /0 ',8-, .-= /0 ' . ,2
5-/#*<,< 7,-, 67/$ < 3, +/ 64,,5*+? 87.+?, *+ 7,
<1*+*6 -. */+ F* 7 7*6 -,6 -*8 */+2 7/4,#,-Y .6 *
8 ,.- = ,N5 .*+,< / <<*+? /+2 47,+2 7, 0/ /4*+?
,#,+*+?2 7,= 1, 3= .55/*+ 1,+ . -/1 ,= * Y7,
4/$ < /+ +/ .88/$+ 8/15 = 6 7, / < /6,2 7, 4/$ <
,*7,- -, $-+ / /00*8, .6 *-6 /-< /0 7, -,.6$-=2
.+< / . *+ ,+ 6 .+< 5$-5/6,6 .6 -*1, &*+*6 ,-2 /- +/
. . 7,-, 1$6 03, .?,+,-. 64,,52L 7, *+ *1. ,<
/ <<*+? /+2 .+< 7, 87.+?, 1$6 3,
/ 4 (@7 Z
4 H+<,- 7,6, 8*-8$16 .+8,6 7, *+ ,-G
#*,4 /0 7, 9 7 /0 5-* 2 0-/1 47*87 * 06 0-*,+<6 7.<
.+ *8*5. ,< 6/ 1$872 ,-1*+. ,< / 7, 6. *60.8 */+ /0
+,*7,- 5.- = <<*+? /+2 *+<,,<2 ,N5-,66,< 7*6 *+ ,+ */+
/0 8/+6$ *+? 7*6 0-*,+<6 3,0/-, ?*#*+? .<,0*+* ,-,5 = /
* 06 5-/5/6* */+6 3$ .6 /66 /0 /00*8, 4.6 8,- .*+ / 3,
7, 8/+6,@$,+8, /0 .E<*66/ $ */+ /0 7, /#,-+1,+2 * 4.6
#,-= $+ *M, = 7. 7,= 67/$ < -,8/11,+< 7,*- ,.<,- /
.M, 6/ 6$*8*<. . 6 ,5 +< 6/ * 5-/#,< + 7, 9_ 72
<<*+? /+ .<<-,66,< . , , - / * 2 *+ 47*87 7, 8 /6,<
7, +,?/ *. */+6 3= *+ *1. *+? / 7*12 *+ *#* ,-162 7. 7*6 8/ ,.?$,6 6.4 +/ -,.6/+ 0/- 7, 87.+?,6 *+ 7, <G
1*+*6 -. */+ 3,*+? 8.--*,< 6/ 0.- .6 7.< 3,,+ *+6*6 ,<
$5/+ / 7*6 8/11$+*8. */+ 7, 0/ /4*+? .8/+*8 -,5 =
4.6 -, $-+,< 3= * IY

#' $,' E !' F !" #'4 ! AH ,' & HH" 2& ' U' !

C 1,,/ (1%7 *:@1(=%,/2, -), ., :,"+ (0 7(8. %,--,"3
*1/ * ;

C (8.# #'1:,.,%7

_E % D-

7$62 4* 7 6 -/+? 0,, *+?6 /0 *--* . */+ /+ 3/ 7 6*<,62

I (#(3.0F "*.",#'<(%'"'+'! -' (./ (%(%",#-:.B*" "*.",#'<(%'"'+'1BN
? ,*1 ,%%,$*' "0,' (0 (./ "/ ; ;"-%"'<(%'"'+' ' *%#(' (#,3# "*.",#'
<2%'"'+'U'? *1/ (./ *%; ,#68.73# "*.",#'<(%'"<'+' L

4,-,3, 4,,+ 7,1 /6, ,47/4.6 /3, 7,+,4 -*1, &*+*6 ,-L 7, *+?2 /+ 3,*+? . ,+? 7 *+0/-1,< / 47. 7.< 5.66,<2 4.6 +. $-. = ,N-,1,= 7$- .+< /00,+<,< 4* 7 3/ 7 6 . ,61,+ $ * 4.6 D * 47/2 7/4,#,- $+<,6,-#,< =2 6$00,-,< 7, 1/6 *+ 7*6 ,6 *G 1. */+) , .66$-,< = * 4.6 7, ,.6 /3 .1, /0 7, 4/ ,4/$ < 68.-8, =2 4, *1.?*+,2 7.#, ?/+, / 7, ,+? 76 47*87 7,7.< </+, *+ 7*6 -,. = 4* 7 <<*+?G /+2 $+ ,66 7, 7.< 3, *,#,< 7. 7, *+?4.6 5-*#. , = 8/?+*>.+ /0 7, +,?/ *. */+ &- <<*+? /+2L 4-* ,6 /6, /+ 7, ; 7 /0 5-* 2 6 . ,<3= &- /+? 7. 7, *+?7.6 +/ =, 3,,+ .55-*6,< /0 .+=+,4 .--.+?,1,+ *+ 7, -/#,-+1,+ &) , " 2 . ,#,+ 62 4,0*+<7*12 7-/$?7/$ 7, +,?/ *. */+62 1.+*G 0,6 *+?,#,-= <,6*-, /8/+6$ 7, *+?06 0,, *+?6 .+< 7, <*?+* = /0 7,M*+? = /00*8, /-*+6 .+8,2 *+ .+ *+ ,-#*,4 4* 7 &- /+?2 /+ 7, W 7 /0 5-* 2 7, ,N5-,66,6 7*6 0*N,<*+ ,+ */+L /*6 ,+ /+/5-/5/6. 47*87 7.< +/ 3,,+ 1.<,3= 7, *+?06 .$ 7/-* = .+< 4* 7 7*6 &.B,6 =06 5-,#*/$6 M+/4 ,<?, LT ?.*+2 *+ 7*6 *+ ,-#*,4 4* 7 <<*+? /+2 /+ 7, 9 72 4,0*+< 7*1 *+ *1. *+? / 7*1 7. 47. ,#,- 8/+<* */+6 /- 6*5$. */+6L 1.= 3, <*6G 8$66,< 3, 4,,+ 7,1 1$6 7, 8/+6*<,-,< 1,-, = .6 " , 1$6 3,0$ = .8@$.*+ ,<2L 7, .<<,<2 4* 7 7*6 &.B,6 =06 5 ,.6$-,2 3,0/-,7, 8/$ < 6.= . 4/-< /-5-/+/$+8, .+.1, 47*87 67/$ < 3, 8/+6*<,-,< .6 3*+<*+? L[, 4/$ < *+ 0$ $-,2L 7, <,8 .-,< . 7, 8 /6, /0 7, +,?/ *. */+62 -,8,*#, +/ /#,- $-,6 3$ 6$87 .6 1*?7 3, 1.<,3= 7, ,N5-,66 8/1 1.+< /0 7*6 &.B,6 = L2 /6,2 .6/2 /47/1 7, 47/ , /0 7, 4-* ,+ 8/--.65/+<,+8, 4.6 67/4+ 3= * 2 *+0/-16 $6 7. * , .3 *67,<2 3,=/+< .H 5/66*3* * = /0 8/+ -/#,-6=2L 7, 0.8 7. * -,0$6,<

I ##*7#(1 /;"1"#-.*-"(1#(0 .,*- ."-*"1 + 0 (#,3# "*.",#<("" +! 0 5 5./ *%;,#68.73# "*.",#<("" +! (./ *%;Q#68.73# "*.",#<("" +! (#,3# "*.",#<("" +U

5,-,15 /-* =' /'.88,<,' /'.+=' ,-162/-' /'5-/5/6,'.+='<,0*+* ,' /+,62 * ' 7,' M+,4'47, 7,-' 7*6 &.B,6 =' 4.6 -,. ='<,6*-/$6 /0 7*6 -, $-+' /' /00*8,f .+<0$- 7,-' 7. ' * ' 7.< +,#,-',+G ,-,< 7*6 1*+< 0/-' /+,' 1/1,+' /' 1.M,' 7,' .<1*66*/+' /0 .+=' *+<*#*<$.' 47. ,#,-' *+ /' 7,' (.3*+,' .' ' / "3 ' ' 4.6 .' 5-*+8*5 ,' 47*87 7,'7.< 8/+6 .+ =' 1.*+G .*+,<2 6.*< * ' /' /6,2 7. ' .' 87.+?,' /0 <1*+*6 -. */+' 67/$ < /+' +/' .88/$+' 7,'4 ' $5/+' 7,' *+?' ,' 4.6 .4.-,'7/4'0. .' 1*?7 ' 7,' 7,' 8/+6,@$,+8,6 47*87 6$87 .' 6 ,5 1*?7 '5-/<$8,' /+' 7*6 &.B,6 =06 1*+<f 7,' 4.6 -,65 #,< 7,-,0/-,' +/' /' 8/1,' *+ /' /00*8,' $+ ,66 7*6 -, $-+' 8/$ < 7,' .88/15*67,< 4* 7/$' *+' 7,' 61. ,6' <,?-,' .00,8 *+?' 7,' *+?06 7,. 72 8/10/-2 .+< -.+@$* * =f .+< 7,' .<<,< 7. 2 *+ 7$6 0,, *+?' .+< ,N5-,66*+?' 7*16,02 7,' 4.6 </*+?' ' * ,' 1/-,' 7.+' 0,, *+?' .+< '5,.M*+?' .6 .' ?,+ ,1.+ LT' H+<,-' 7,6,' 8*-8$16 .+8,62 .' 0,4' ,N5 .+. /-=' 4/-<6 0-/1' <<*+? /+' 1*?7 ' 7.#,' ,N8$5. ,< * ' 0-/1' 1$87 /0 7,' 7.1,' 47*87 7,' *+?' .*< . ' 7*6 </!-2 7$2 6/ 0.-' 0-/1' 7/6,' 4/-<6 7.#*+?' 7,,+' 65/M,+2 +/' /+ =' <*< * 06 0-*,+<6 87.-?,' <<*+? /+' 4* 7 ' , *+?' 7*6 6 /-=' *+' 7*6 /4+' 4.=2LT' .88/-<*+?' /' 7*? * .$ 7/-* =2 7,' . ,-' ' -,5-,6,+ ,< * 06 8/+<$8' *+' 6$87 8/ /$-6 .6 /' -/$6,' 7,' *+?06 4-. 7 L[' /4' ?-,. =' 7,' **+?' 4.6 /00,+<,<2 4.6 1.+*0,6 ,< 7=' 7,' .+?$.?,' 47*87 ,68.5,< 7*1' .0 ,-' 7*6 ,#,,'/+' 7,' 7 /0 5-* f 7*6 3,*+?' 7,' <.=' /+' 47*87 <<*+? /+' 7.< 0/-' 7,' 0*-6' *1,' 7/$?7' 5-/5,-' /' 8/1G 1$+*8. ,' /' 7*1' 47. ' 7.< .M,+' 5.8,' 3, 4,,+' 7*1' .+< * 2 ,' ,#,+' 4,+' 6/ 0.-2 /+' -, $-+*+?' /' 7,' -/=. ' 8/6,2 /' . M' /' 6$87 /0 7*6 &*+*6 ,-6 .6 4,-,' 5-,6,+' /0C &-' * 06 5$ *+?' 7,' (-/4+' *+' 8/11*66*/+2L' .<<*+?' 7. ' '7,' J * V 8.--*,< 7*6 5 .+' /0-,1/#. 6 6/ ,N -,1, =' 0.-' .+< 6/ 7*?7' 7. ' *' 1*?7 ' -,.87 *1 L'Z

K' (#,3# "*.",#'<(%'""'+'
-' RN"/'<(%'"<'+' U' (./' *%;,#68.73# "*.",#'<(%'"<'+'
"' (./' *%;,#68.73# "*.",#'<(%'"<'+'
Z ".' ,(.2,' ' ,="#? ##*7# (1'-),' /;"8"#-.*-"(1# (0 .,*-' ."-*"8'+'
' (./' *%;,#68.73# "*.",#'<(%'"<'5'9

4.6 $+<,- 7,6,8*-8$16 .+8,6 7. * 4.6 $-?,< 3= 7*6 0-*,+<6 ,* 7,- / -,@$,6 . 5,-6/+. *+ ,-#*, 4 *+ 7, -/=. 8 /6, / - , 6, / .<<-,66 6$87 . , ,- / 7*6 &.B,6 = .6 1*?7 7.#, 7, ,00,8 /0 -, 1 /#*+? .+= $+G 0.#/$-.3 , *15-,66*/+6 0-/ 1 7*6 1*+< / 3/ 7 /0 7,6, 5-/V*/6. 6 7/4,#,- 7, 5,- *+.8*/$6 = /3B,8 ,<2L 87//6*+? -. 7,- / 5-,0,- . -,@$,6 / <<*+? /+ / .= 7,*- . , 8/--,65/+<,+8, 3,0/-, 7,*- -/=. 1.6 ,- Y . 0.*- -,@$,6 47*87 7, / 7,- /+ = .0 ,- 8/+6*<,-.3 , <, .= .+< 4* 7 1.+*0,6 -, $8 .+8, 4.6 *+<$8,< / 8/15 = 4* 7 * 2L 4-* ,6 /-< &.7+,67$-= . 7, -,5,. ,< <,6*-, /0 7*6 0-*,+<6 /+ 7, W 7 .?.*+ 5-,66,< <<*+? /+ / .= 7*6 , ,- 3,0/-, 7, *+? <<*+? /+ <*< +/ < / * * 7, : 7 . 7, Q$,,+06 /$6, .+< 7,+ 5-/3.3 = 4* 7/$.+= -,1.-M6 /- 4* 7 7*6 +/ ,6 L -- ,. . 1/6 .36/ $, .6 7.< 3,,+ * 06 0/-1,- 5/4,- 7, 4.6 +/4 .55.-,+ = 4* 7/$. 6*+? , 0-*,+< / 47/6, .8 .+< *+0 $,+8, 8/1G 3*+,< 7, 8/$ < -$6 / 6, *+? 7*1 0*?7 *+ 7, ?//< /5*+*/+ /0 7*6 ' /#,-,*?+ #,+ 7, $M, /0) /-M 47/ . 0,4 <.=6 5-,#*/$6 = 7.< 3,,+ /+, /0 7, 1/6 >,. /$6 /0 7*6 5.- *6.+6 8/+ ,+ ,< 7*16, 0 47,+ .55,. ,< / 3= /-< &. 1,63$-= 4* 7 67-$??*+? 7*6 67/$ <,-6 .*E< -,1.-M*+? 7. *+ 7*6 5-*#. , /5*+*/+ 3/ 7 5.- *,6 4,-, *+ 7, 4-/7? L0 ' / * 01.+.?,< .<<,< 7, $M, 7.< 3,,+ 7, -,8,+ +,?/ *. */+ .6 / 5$ &- * 06 -, $-+ / /00*8, 7/$?7 1/-, +,8,66.-= 7.+ ,#,- . . ?-,. ,- <*6G .+8, 7.+ ,#,- L E6 -,?.-<6 7, *+?2 47,+ <<*+? /+ 4.6 . ,+? 7 *+<$8,< / .= 7, 8/--,65/+<,+8, 3,0/-, 7*12 7, #,-= +. $-. = .+< #,-= 5/6* *#, = <,8 *+,< -,.<*+? 7, <, .* 6 /0 . +,?/ *. */+2 47*87 7.< +/ /+ = 3,,+ 8.--*,< /+ 4* 7/$,* 7,- 7*6 6.+8 */+ /- M+/4 ,<?,2 3$ 47*872 7.#*+? 6*?+. = 0.* ,<2 4.6 +/ /+?,- /0 .+= *15/- .+8, ,* 7,- / 7*6 /4+ *+ ,-,6 6 /- / 7/6, /0 7*6 6$3B,8 6 .+< 47*872 *+ 0.8 2 4.6

="-) -) , .,#-(.*-"(1 (0-) , (./)*1:,%(.3#),*%-) *1/ #-.(12%7 .,:(; ; ,1/# -)*-) , ="%% 1(- *- 0"9#- :(;"12 (8- 6, A8"-, #(*##"/8(8# *#) , =*# "1 68#"1,## 6,0(.,)"# :(10"1, ; ,1- -(=)":)) , .*-), . *--."68-,# -) , /8.*-"(1 (0-) , 0"- (0-) , 2(8-

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'GA &C'U%2%K 0 2& '! h

C) , "12 .,-8.1# -(-) , (./)*1:,%(.-) , (; ;"##"(1 =)":)) ,)*# #"21,/ 0(. 2"<"12)"# ##,1- -(-) , "%%# 1(= +.,G +*.,/ 0(.-)*- +8.+(#, - -) , #* ; ,-" ; , -) , "12 *<*"%#)" ; #,%0 (0-) , (++(.-81"-7 -(,>+.,## -) , #*-"#0*:-"(1) , .,:,"<,# 0.(; -) , *##8.*1:, (0-) , (./)*1:,%(.3# 2(8-)*<"12 ,1-".,%7 #86#"/,/)*- * /,2., (0 %* ; ,1,## *1/ =,*@1,## #-"%% ., ; *"1# "# -) , 1*-8.*% ,00,:- (0-) , /"#(./,. 68- ="%% /*"%7 /" ;"1"#) ? *1/ -) , "12 -), .,0(., #-.(12%7 .,:(; ; ,1/# -) , (./)*1:F(. 1(- :(;"12 1,>- E,/1,#/*7 -(- * ; ,#3# 68- -) , :(;"12), ., (1)8.#/*7 0(.-) , ,:(./,.3# ,+(.- =)":) ="%% *<("/ -) , 1,:,##-7 (0 2("12 8+ #-*".# ? *1/ E,/1,#/*7 "# -) , 0".#- /*7 (0 ,. ; =)":) ; 8#- "1 "-#,%0 6, * /*7 (0#(; , 0*-"28,

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C ,#-, ./*7 -) , "12 .,:,"<,/ -) , (./)*1:,%(.3#%,--, . , -.8#-# -)*- -) , 0*-"28, (0 #"--"12 "1 -)"# =*. ; , =,*-), . "1 "1:(%13# 11 *%%)*# 1(- +.(<,/ #("1:(1<,1"-1- *# ;"2)-)*<, 6, ,1 ,>+,:-,/), "12 "# ; 8:) +%,*#,/ *- . "/%,73# 6,"12 +%*:,/ "1 -) , #%, (0 E"2)- "# 6,"12 (0 -) , 0* ; "7 (0 #(:,%,G 6.*-,/ * ; *1 *# -) , "#)(+ -)*- 6(.(-)*- 1* ; , "1 *//"-"(1 -( )"# :(11,:-"(1 ="-) -) , (./)*1:,%(. <,.7 +.(+,.%7 ,1-"-%,#)" ; -(-)*- #'-8*-"(1

7, 5-,8,<*+? , ,-2 * 4* 3, 6,,+2E *6 <. ,< 0-/ 1 F,=1/$ 72. 47*87 5 .8, 7, /=. . 1* =5.66,<5 .- /0 7, 6$1 1,- /0 9; 2 .+< 0-/ 1 47,+8, 7,= -, $-+,< /

F*+<6/-' /+' *,' 96' /0' ',5 ,13,-' $-*+?' 3,' *+?06'
6 .=' . ' F ,=1/$ 72' 7,' /+ =' *+8*<,+' /0' .+=' *+ ,-,6' 47*87'
6,,16' /' 7.#,' /88$--,< 4.6' .' #*6*' /0' -,65,8' 5.*< /' 7*1'
3=' 7,' /-<6' /0' 7,' <1*-. =2*+' 7,' 8/$-6,' /0' 7,*-' #*6* G
. */+0 /$-' /' 7,' <*00,-,+' </8M=.-<6' ' 0 ,-' .+' ,.- ='
3-,.M0.6 2L' 4-* ,6' 7,*-' ',8-, .-=2' &-' &.-6<,+2' '4,' 1,'
7*12' 3=' 8/11.+<2' /+' 7,' 65 .+.<,2' 47,-,' ' 4.6' *+ -/G
<$8,< *+' .' ,66'0/*1.' 1.++,-' 7.+' .' ' 'A.1,606' F,'
7,+' . ,+<,< 7*1' /' 87$-872' .+< 4,-,' 6,. ,< *+' 7,' .<G
B/*+*+?' 5,4' ?.*+' 4,' 4. M,< /+' 7,' .-.<,' * ' +,.-'
<*++,-0*1,' +' 7,',#,+*+?' 4,' . ,+<,< 7,' .-.<,' /+8,'
1/-,2' 47,+' 7,' -//56' 4,-,'<-.4+' /$2' .+< 1** .-=' 1$6*8'
5,-0/-1,<f .0 ,-' 47*87' 4,'0/ /4,< 7,*-' &.B,6*,6' /' 7,'
$3*8S' //162' 7$6' 8/+8 $<*+?' .' 1/6' 8/$- =' .+< -. 7,-'
0.*?$*+?'<.=' +' 7,' 8/$-6,' /0' 8/+#,-6.*/+' 7,' *+?'
.6M,< 1=' /5*+*/+' .6' /' 7,' 8.$6,' /0' 7,' 0/$+,66' 6/' ?,+,G
-. =' .+< B$6 =' 8/15.*+,< /0'*+' -,65,8' /' 7,' 8/55,-'
67,.7*+?' /0' 7,'67*56' /0' 4.-'*+' . ,-' *1,62'8/15.-,< 4*7'
47.' 4.6' ,N5,-*,+8,< .' .+' ,.-*,-' 5,-*/<' 7,' 6$3B,8'
7.#*+?' /88$5*,<.' .-?,' 67.-,' /0' 1=' . ,+*/+2' '<*< +/'
7,6*.,' /' .-*3$,' 7,' 87.+?,'E/' 7,' ?-,. ,-' <,?-,,' /0'
7.-<+,66'?*#,+' /' 7,'8/55,-'67,,6'*+' 7,'5-/8,66' /0'-/ *+?'
3=' 7,' 1/<,-+'*15-/#,<1.87*+,-=f 7,'7.11,-,<5.,6'
3,*+?'6/0,-2' .+< 7,-,0/-,' 1/-,2*.3,' /' .3-.6*/+' *+' 7,'
5.66.?,' /0' 7,'67*5' 7-/$?7' 7,'4.,-23=' 47*87' 7,'3/ /12'
.6*+' 7,' 8.6,' /0' 0.606.**+?' 8$,-62' 1*?7' 3,' M,5' 8/1G
5.-.*#,=' 8,.+' *6' &.B,6=' .55,.-,< /' 3,' 6.*60*,<'
4*7' 7,'5.$6*3**=2' .' ,.62' /0' 1=' .-?$1,+ L' 'H5/+'
7,' 65.+.<,2L' &.-6<,+' 4-* ,6' /' .'8/--,65/+<,+2' ' '4.6'
5-,6,+,<' /' 7,' *+?'*+' <$,'0/-1' ,' .6M,<01,'*11,G
<*.,='7/4' /+?' ' 4.6' -,$-+,<0-/1' -, .+<2' .6' *0' 1='
B/$-+,='7.<3,,+' .' 7*+?'7*6' &.B,6='4.6' 4,' .8@$.*+ ,<'
4*7' ' 7,' //16' 7*6' ,#,+*+?' 7,' *+?' /< 1,'7,

3, *,#,< 4.6 .?-, . 87=1*6 3/$?3 <*< +/ 87//6, /
8/+0,66* F ,4,-, . M*+? .3/$ 8/55,-67, . **+? L
7, 0/ /4*+? 8/15 , , /$- 6, ,8*/+6 0-/1 7, *+?06
8/--,65/+<,+8, *+ 7, =, .-6 9; .+< 9; Y2

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C %", "12)*# .,:,"<,/ -), (./)*1:,%%(.3# 1(-, (1 -),
,%,:-"(1 (0 ". %/,.;*1 .":, -(-), (00":, (0 (./ *7(.0(.-%",
,1#8"12 7,*. ,)*# ,<,. 81/,.#-((/ 3-)*- -)"# 2,1-%,;*13#
:(1/8:-6(-) "1 +."<*-, *1/ +86%":.%"0, "# /,#,.<"12 -), :)*.*:-,.
2"<,1)";(1 -)"# (::*#"(1 67 -), (./)*1:,%%(. "# *5,#-7
-),.,0(.,;(#- ="%%"12%7 *8-)(."#,# -), 2"<"12)"# *++.(6*-"(1 -(
-)"# :)(":, (0 -), "-7 (0 (1/(1

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C), "12 .,-8.1# -), (;;"##"(1 0(. (+,1"12 -), *.%"*G
;,1- =)":)),)*# #'21,/ *1/ *- -), #*;, -";, *8-)(."#,# -),
(./)*1:,%%(.-(*++.(<, . 66(- *# +,*@,. (0 -), (8#, (0
(;;(1# =),1 +.,#,1-,/ 0(. -)*- +8.+(#, *<"12)*/ -),
:8."(#-7 (0 .,*/"12 -), (;;"##"(1 W-), "12%)*# 0(81/ *
;"#-*@, -), "1#,.-"(1 (0 ,(.2, *.% (0 ,":,#-, . "1#-,*/ (0
E"%%"*:, *.% (0 *.-;(8-) *# (./ -,=*./ (0 -), (8#,)(%/
=)":) :*1 ,*#%7 6, :(..,:-,/ 67 -), (./)*1:,%%(. (./,."12
-)"# :)*12, (0 1*;,#-)(82) -), "12)*# #'21,/ -), (;;"##"(1

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'GA &C'U%2%K 0' (3 9= !

C), "12)*# -)"# ;(.1"12 .,:,"<,/ -), (./)*1:,%%(.3#
1(-, ,1:%(#"12 *0"*- 0(. */"12 . ,"5,*1- *%;, - -(-), 8/2,#
(1 -), "/%*1/ ".:8"-"1 :(1#,A8,1:, (0 -),9)",0 *.(13# 2("12
-("#6(1 ="-))"#B ,%/,#- /*82)-,. =)(#,),*%-) .,A8".,# -), :)*12, (0 :%";*-,), "12 .,-;;# -), 0"*-)*<"12 #'21,/ "-

I , ;("B(0 E"%%"*;' *.#/,8'+' ' ' ."<*-,%7 +."1-,/
$B %/(8 ' ."2"1*%' -' ="##3# "0, (0 %/(1'<(%'"'+'U

F UX ! L

*1/ /,#'.,# -%", (./ %"*1:,%%(. ="%% *:A8*"1- -),)",0 *.(1)(= *./,1-%7 %", ="#),# -)*- -), #,*9<(7*2, *1/ ;"%/ *": (0 "#6(1 ;*7 +.(<, */<*1-*2,(8# -(-), 7(812 %*/7

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@ & /0' (3 9 !H !

C %", "12)*# "<-) 2.,*- #*-"#0*:-"(1 #"21,/ -), (; ;"#G #'(1 0(. +*##'12 -), "%% -(.,#-.*"1 -%", *1@ (0 12%*1/ 0.(; +*7'12 :*#) *#)("# :(1<"1:,/ (0 -), 8-"%"-7 (0 -), ; ,*#8.,*1/ *./,1-%7)(+,# "- ;*7 6, +.(%(12,/ -), 1,>- 7,*.? (. "0 -), #'-8*-"(1 (0 +86%": *00*".# #)(8%/ *- -)*- -" ; , +.(<, ; (.,0*<(8.G *6%, -)*- -), *1@ "<%% *- %,*#- 6, .,#-.*"1,/ 0.(; +*7'12 :*#) *6(<, *:,.-*"1 +.(+(.-"(1 (0 ,*:) +*7 ; ,1- "- ; *7)*<, -("##8,

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I %/(1 ."2"1*% - =",#3# "0, (0 %/(1 <(" " + U

(

1-,.<",='6,-=,,1'-),' "12'11/' (./' *%;,#68.7'4' ,#+*./3#:(1#+".*,7'4' ."1:,' (0'E*%,#3#'/,6-#'4' ,1,=*%'(0'E*.'P="-)' .*1:('4' +%,1/"/'#+,,:),#'(0' "--'*1/' (>'(1'-%",' #865,:-4 *+(%,(13#'-).,*-,1,/'"1<*#"(1'(0' .,*' ."-*"1'4'),' "12'.,<",=#'-),'$(%81-,,.#'"1' 7/,' *.@'4' 1-,1/#'-('.12*2,'-),',1,;7'*-' -),'),*/'(0')"#'*.;7'4'),' ."1/,'(0'E*%,#'*' :*1/"/*-,'0(.')"2)' ;"%"-*.7' :(;;*1/'4' 86%"#),#')"#:(..,#+(1/,1:,'="-)'-),' "12'(1'-),'#865,:-'4' *1(<,.' -*@,1'67'-),' .,1:)'4' ,:(R,:-"(1#'(0'-%",' "12'67' ".' ,(.2,' (#,

? A)' 7/6,' 5,-6/+6' 47/' 4,-,' .<1* ,<' /' 0.1**.-' <*68/$-6,'4*7' ,/-?,' 7,' 7*-<2' .+<' 47/' 7.#,' 3,G @$,.7,<' $6' 1*+$,6' /0' 7*6' 8/+#,-6.*/+2' 1.=' 3,' 1,+G */+,<' 7,' .8,515*67,<' <*5/1.*62' A.1,6' .-' ?0' &.1,63$-=2' 47/2' /+' 7,' K7' /0' /#,13,-2' 9;' 92' 4.6' -,8,*#,<'.' .B*-*#.,' .$<*,+8,'3=' 7,' *+?0.+<' Q$,,+' .' F*+<6/-2'0/-' 7,' 5$-5/6,' /0' 5-,6,+*+?' 7,1' 4*7' 8/5*,6' /0'.' +,4',<**/+' /0' 7,' 4/-M6' /0' 7*6' /-<67*506' .,' 0.7,-2' A.1,6' .--*62' 7,' .$7/-' /0' 7,' 8,,3-.,<' P' ,-1,6' C' $' 6.4' 7,1'./+,2L' 7,' 4-*,62' '/+' 7,' 1/-+*+?' /0' 7,' K72' .+<' 4.6' 4*7' 7,12' 7.2' .+<' 7,' +,N' ,#,+*+?2' .' 7,*-' 8.-<05.-=' .' 7,' /<?,' ' *M,4*6,' 6.4' -*+8,66' &.-=' /+' 7,' :3' *+' 7,' 1/-+*+?' .87' ,#,+*+?' 7,' Q$,,+' +.1,<' 1,' /0' 7,-' 5.-=' .+<' 5.=,<' .' 8-*33.?,' 4*7' 1,' ' 4.6' 4*7' 7,' *+?' ./ ,0+,.-' 4/' 7/$-6' ' 7.<+/' 6,,+' 7*6' &.B,6=' 6*+8,' 7,',+<' /0' 8/3,-29;' 2' /0' 8/$-6,' +/' 6*+8,' 7*6' .6' * +,66' ' .55,.-,<'-.7,-' 1/-,' /0' .+' /<' 1.+2C3$' +/' /<,-' 7.+' 1,+' .' 7*6' .?,' 8/11/+=' .55,.-' ,' 6//5,<'-.7,-' 1/-,2' .+<' 4.6' .55.-,+=' ,66' 0*-1' /+' 7*6' ,?62' 3$' 7,' <*<+/' //M' 7*++,-2' +/-' 4,-,

7,-,' .+=' 1 .-M6' /0' 6*8M+,66' /-' <,8 *+,' *+' 7*6' 8/$+ ,+.+8,' /-' 1 .++,-' 7,6,' .6' 4 ,-,' 1$87' .6' 6. 2' 6/ 1 ,47. ' ,66' 7$--*,< .+< 1 /-,' 8/+#,-6.3 ,I 7. ' *6' /' 6.=2' . /4*+?' 7,' 5,-6/+' /' 47/ 1' 7,' .<<*C,66,< 7*16, 0' 1 /-,' *1 ,' /' .+64 ,-' .+< . M' 7.+' 7,' $6,< /' </' 47,+' <*68/$-6*+?' /+' 8/ 1 1 /+' 6$3B,8 62' J/-V' /+' 5$3 *8' .+< ?-.#,' /+,6' 2' . ' . ' *1,62' 0/-' 7*- =' =, .-62' 7.#`' 0/$+< 7*1' #,-=' . ,+ *#,2' .+< 0$ ' .6' -, .<=' /' 7, .-' .6' /' ?*#,' .+' /5*+*/+2' 7/$?7' 5,-7.56' +/ ' . 4 .=6' <*65/6,< /' .</5 ' * ' .+< 0/-6.M,' 7*6' /4+' ,' 4.6' ?-.8*/$6' ,#,+' /' M*+<+,662' .+< 65/M,' /0' 1=' 0. 7,-' *+' .' 4 .=' 47*87' @$* ,' .00,8 ,<d1,P ,' ,N5-,66,< ?-, . ' 6. *6G 0.8 */+' . ' 6, ,*+?' 1,' ,66' * ' 7.+' 7,' ,N5,8 ,< I .6M,< 7/ 4' ' 8/+ *+$,< /' M, ,5' 4 ,HI .+< /+' 1=' 6.=*+?2' . 1/+?' / 7, -' -, .6/+62' 7. ' ' ,+<, .#/$-,< /' M, ,5' 1=' 1*+<2' @$*, ' .+< <*6 1*66' .H $+5 , .6.+ ' 6$3B,8 6' 0-/ 1' *+ -$<*+?' 7, 16, #,6' $5/+' * 2' 7,' *+?' 6.*<YP C *6' .' #,-=' 4*6,' 1 .N*1' .+< /+,' 9' . 1' <, ,-1*+,< /' 0/ /4I' 3$ ' 7/4' . ' 7*6' 5.- *8$.-' 1/1,+' 8.+' =/$' .#/*<' * 'SC +< 4* 7/$ ' 4 .* *+?' 7,' F,+' /+' 3=' 6.=*+?YP /' =/$' M+/4' 47. ' ' 8. ' 7,' ,.8,'SY .+' ;7 ' ,.8,2' 0/-' * ' *6' +/ 7*+?' , 6, ' ' . 1'6$-,' ' 7*+M' 6/2' .+< 5,-7.562</' +/ ' ?*#,' * ' 6/' ?,+ ,' .' +. 1, ' $ ' * ' 4.6' *1.#/*<.3 ,' e9' 4.66 .3.+</+,< 3=' ,#,-=3/<=2' *,6' .+< " ' 7.#,' </+,2' ' 8/+68*,+ */$6 =' 3, *,#,2' 0/-' 7,' 3,62' 3,8.$6 ' ' 8/$ < +/ ' </' / 7,-4*6,' $ 2' 7.< ' 0/$+< 1 /-,' /5*+*/+6' *M,' 1*+,2' 3, ,-' 1*?7 ' 7.#,' 3, ,+' </+, C ' 7/$?7 ' 7,' 6$3B,8 ' 1*?7 ' .?* . ,' 7,' *+?2' .+< 7,-,0/-,' -*,< /' , .< 7*1' 0-/ 1' * ' ,' 5,-8,*#,< 1=' <-*0 2' .+< 6.*<YP /-< &. 1,63$-=2' =/$' .+< ' 7.#,' 7#,< /+' 7,' .8 *#,' 7, . -,' /0' 7*6' 4/- < 7,6,' 7*- =' =, .-6' 0' 4,' .-,' 7/ ' 3,8/ 1,' 4*6,' ,+/$?7' /' 8/+G 6*<,-' ,#,-=' ,#,+' 47*87' 7.55,+62' @$*, =' .+< 4* 7' .8@$*,68,+8, 2' 4/' 7.#,' *#,< #,-=' +,? *?,+ =' F 7. ' 4/$ < 7,' ?//< 1 .+' 47/' 4-/ ,' 7,6,' ,N8, ,+' 3//M6' 5/*+ *+?' /' 7,' 8/5=' ' 7.< B$6 ' 5-,6,+ ,< /' 7*1' /0' 1=

0. 7,-0 4/-M6 .+< 47*87 .= /+ 7, .3 , Y P6.= *0 4, 4,-, 6$87 7.< 5 ** /6/57,-6 7.#*+?7.< 6$87 1, .+6 /0 3,8/ 1*+? ?//< /+,6SCL

*6 &.B,6 =2L 8/+ *+$,6 /-< &. 1,63$-= , N5-,66,< -,6,+ 1,+ .?.*+6 /-< -,+#* ,2 65/M, 0-*,+< = /0 * 2 .+< 6 *?7 *+? = /0 /-< .4M,63$-= P ,7.6 +/ 7,.< 0/- 3$6*+,662C 6.*< 7, *+?2 P+/ 1, 7/<2 H/ 5$+8 $. * = C 0 7, -*+8, /0 -.+?,7, 6.*<2 7, 4.6 . 7, 3/ /1 . ?//< 1.+2 3$ 4* 7 6/1, 6.< <,0,8 6 7. 7, 7.< ,0 7, 8/$+ -= #,-= -.5*< =2 .+< .6M,< 1, *0 M+,4 7, 8.$6, /4 <*< M+/4 47=2 3$ 7/$?7 * 4*6,- +/ / 6.= 6/ 0 7, -*+8,66 7, 65/M, *+ ,-16 /0 7, 7*?7,6 8/1 1,+<. */+ . 6/ /0 .?, 2 7, 5-,6,+ -,00*,- 0 .?, 7, 6.*<2 7, 4.6 . #,-= ?//< 8/$- *,-2 3$ +/ . 1.+ /0 3$6*+,66 *6 &.B,6 = 7,-, *6 1*6 .M,+ ,.6M,< 1, . ?-,. < ,. .3/$ $66*. 1,+ */+,< /-< $8M .+< 4* 7 +/ ?-,. 5-.*6, 0 /-< ,7.1 7, 6.*< 7, 4.6 *8, = /3, . ?//< 1.+ /0 3$6*+,66 .+< 4.6 ? .< * >7.--*6 0 4.6 $+<,-7*1 +@$*-,< .3/$ 0-,< *0 * 1* 4.6 7*6 /4+ 87/*8, A 0 /-< &*+ / 7. 07, 4.6 ?-/4+ 01/-, 8/+G #,-6.3 ,2 .+< 7.< </+,#.6 = 4, . " *,++. 0 7, 15,-/- 7, ,N5-,66,< 3$. 7,.-* /5*+*/+

7, Q$,,+ M,5 1, /+ = . @$.- ,- /0 .+ 7/$- '7, 6.*< 67, 67/$ < 6,, 1, .?.*+ *+ 7, ,#,+*+?2 .6 1$6 3, *-,< 4* 7 6 .+<*+?6/ /+?4* 72 7, *+? '5/M, M*+< = /0 1= 0. 7,- .+< /0 1= <,.- 87* <-,+ -*+8,66 &.-= 4.6 . ?//< 7$1/$- .+<R5 ,.6,+ +,66 ,- 1.++,-6 .-,

)(; *# (./ ,%)* ; , ;:.,--F7(0 -*-,0(.-), (;((+(.-;,10 ,, / +! ! 1

- * ; ,# /=*./ $"#:(81- "-,%"*.."# *-)"# -"; ,*++*.,1-%7 ."<*-, ,:.,-*.7-(% -/ ,%)* ; (#8::,:-%(/ %""# 0*-),.1 *#,:(1/ *.%(0 *%;,#68.7 *1/ /",/ (1-), -) 0 ,+-,;6,. U 9 K

-), (1)(; *# %0.,/ *.."# ,:(1/ #(1 (0 (./ *%;,#68.7 ,#86#,G A8,1-%7 ,1-,.,/ "1-((%7 ./,.# 6,:*;,* .,6,1/*.7 (0 (.@ *1/ /",/ "1 ! B K r

5,-0,8 .+< + ,#,- 6.4 /- 8/+#,-6,< 4* 7 .+E -*+8,66
6/ ,N.8 = 47. 67, /$?7 / 3, L
+ 7, : 7 /0 ,3-$.-= 9; 6 //< . 7, 3.- /0 7, *; '
',66*/+6 /$6, ,4*+? /+ (/ /+, 0 <4.-< &.-8$6
,6V*.-< .--.*?+,< 4* 7 / 7,- *+0. $. ,< .+< <,65,-. ,
1,+ 0/- 7.#*+? 8/+65*-,< / 6$3#,- 7, -/#,-+1,+ 3=
0/-8, 70 .-16 .+< / .M, .4.= 7, *0, /0 7, *+?
,<$8,< / 5,+$-= 3= 7.#*+?E3,,+ 6$<<,+ = <,5-*#,< /0
.+ /00*8, 47*87 7, 7.< 7, < /+ 7, 8/.6 /0 /+<$-.6 .+<
?/.<,< . 1/6 / 0-,+>= 3= 7.#*+? 3,,+ 6$3B,8 ,< / .
/+? .+< .-3* -.-= *15-*6/+1,+ *+ (/ < . 7 *, <6
-*6 /+ 4* 7/$ 7.#*+? 3,,+ .3 , / /3 .*+ .- -*. 7*6
/+8, ?. .+ 6/ <*,- .+< /=. 6$3B,8 ,+?.?,< *+ 7, 4* <
8/+65*-.8= 47*87 $+7.55* = 8/6 7*1 7*6 *0, 7, 8 **,0
. -/8* *,6 8/15-*6,< *+ 7, 5-/?-.1 1, /0 7, 8/+65*-. /-6
8/+6*6 ,< *+ 7, 6,*>$-, /0 7, /4,- 7, .+M 7, 5-*6/+6
.+< 7, 5$3 *8 /00*8,6 7, 5*,8, /0 /-<+.+8, .6/ /+ 7,
+/- 7 6*<, /0 ' A.1,606 .-M 7,+ .-,8,+ 8.5 $-, 0-/1 7,
-,+87 .-1= *+ ?=5 4.6 / 7.#, 3,,+ /.<,< , * *,- 4* 7
3. / - 87.*+067/ .+< / 7.#, 3,,+ 0*-,< . 7, *+? /+
7*6 4.= *+ 7*6 6 . ,08/.87 / /5,+ B .- *.1,+ 6 -,?.-<6
,65.-< 5,-6/+. = 7, 0**8 6 /0 7*6 $+<*65$,< ?0. .+ -= 7*6 6$00,-*+?6 .+< @$,6 */+.3 , 6.+* = *+#,6 ,< **1 4* 7
. 8,- .*+ .1/$+ /0 08/11*6,-. */+2 47*87 7, 4/$ < +/
/ 7,-4*6, 7.#, /3 .*+,< 0 + 7, ,N5,<* */+ **5 7, -*#,-
'.+ A$.+ *+ 9:: 47*87 /-< , 6/+ . 4.=6 <,68-*3,<
.6 /+, /0 7, 1/6 7.>.-</$60 *+ #7*87 *, 7.< ,#2,- 3,,+
,+?.?,< ,65.-< 7.< 3,,+ 7*6 0-*,+< .+< 8/15.+*/+
'*<, 3= 6*<, 7,= 7.< 6 /-1,< 7, 6.1, 3. ,-= .+< /?,G
7,- 7.< ,+ ,-,< 7, 8.6 , /0 '.+ A$.+ *+ -*$157
,65.-<06 -*. , 6/+ 8.1, 0/-4.-< /E3,.- ,6 *1 /+= /+
7*6 3,7. 0 F, 4,+]C 5-/8,,<6 7*6C,#*<,+8, /+ 7,
'5.+*67 &.*+ /?, 7,- F, 65,+ 1.+= +*?7 6 /?, 7,-
*+ /$- 8 / 7,6 $5/+ 7, ?-/$+< F, 7.#, 1,.6$-,< 7,

7,*?7 /0 7/ ,+,1=06 4. /?, 7,- +. 7. 5,-*/< /0 *1, +/ 1.+ 8/$< 7.#,67/4+ 1/-,>,. /$6. .871,+ /
7*6 '/#,-,*?+ .+< 7*6 8/$+ -= 7.+ (/ /+, ,65.-< <*<2L
,6/+06,+8/1*$162 7/4,#,-2 5-/#,< /0 * ,6,-#*8, /7*6
0/-1,- 8/1-.<, +7, 96 /0 ,3-$.-=2 ,65.-<2 4*7
6*N/7,-6 /0 7*6 0, /408/+65*-. /-62 6//<$+<,- 7,?*33,
/+ 7, -//0 /0 /-6,1/+?,- .+, ./2 47,-, 7,= 4,-,
6,#,-. = .$+87,<*+ / , ,-+* = / 7, .6 7, 5,-6*6 ,<
+ .66,-+?7*6 *++/8,+8,I / 7, .62 7,<,8 .*1,< .?.*+6
7, =-.++= /0 M*+?6 7, <.= 4/$< *+,#* .3 = .--*#,2
7, / < .+ 7$>>.*+? .$<*,+8,2 #=7*87 4/$< 4*+,66 7,
0*+. -*$157 /0 7, 5-*+8*5 ,6 /0 *3,-=2 B$6 *8,2 .+<2 7$G
1.+* =2 /#,- <,65/ *61 .+< <, $6*/+ L F7,+ 6$36,@$,+ =
7, 7.+?1.+ 7, <$5 7*6 6,#,-,< 7,.<2 ,N8 .*1*+? 7*6
6 7, 7,.< /0 . -. /-TL 7, 87,,-6 /0 7, -.33 , 4,-,
8/+#,- ,< *+ / 7*66,6 .+< =, *+?6 .?.*+6 7, .$ 7/-* *,6 T
4.6 .3/$ 7*6 *1, 7. 7, -*+8, /0 F. ,6 7.<
.?.*+ *, 7.-<*7//< / .55 = / .-*.1,+ 0/- 7, 5.=G
1,+ /0 0-,67 <,3 6I2 <,3 6 47*872 ., ** <,68-*3,6 7,1
/ /6,2 7, 7._* 8/+-.8 ,< *+ 7, , , 7 /0 7, .6 8
/0 .-*.1,+ E .+f *+ 03-,.87 30 -,5,. ,< .+< 5/6* *#,
5-/1*6,6 LT /-$+. , =2 7/4,#,-2 0/- 7*12 7, 0.8* ,
<<*+? /+ 4.6 +/ $+4* *+? / ?-. *0= 7, 7,*- / 7,
1/+.-87=I 47* , /N2 /+ 7*6 5.-2 7.< 7, .66 *-.+8, /
, 7, /$6, /0 (/11/+6 7. 6/ 0.- 0-/1 7, -*+8,
7.#*+? 6@$.+<,-,< 7*6 1,.+62 7, .8 $. =<,6,-#,< 8-,<*
0/- 7.#*+? 5-.8 *6,< ,8/+/1= 7$6 4.6 7, -/=.
#/ $5 $.-= ,+.3 ,< / 4-*+? 0-/1 7, 8/$+ -= .0$- 7,-
. /4.+8, /0 K 2 E .=,.- 0/- 7-, =,.-6 .+< .7.0 /

K (=,%%3 -*-, ."*%# <(% >><""" :(% U
- (=,R3 -*-, ."*%# <(% >><""" :(% L 118*% ,2"#-,.0(. !++! !
! C (8 ="%% (0 :(8.#, D =."-,# (> -((./ (%%*1/ C)*<,),*./ (0 ,#+*./3#
,>,:8-"(1 -=*# 2,1,.*%%7-)(82)-.2)-?")/,:/ A8,#-"(1=),-),7 *;1(-),
(1%7 ;*1 "1 (1/(1=)(=(8%/)*<,*/<"#,/ *+*./(1 68- =(8%/)*<, /(1,#(
),=)(%, 68#"1,##)*# +.(/8:,/ %"--%, (.+(#,1#*-"(1 M " +3 M ; /
' 7<(% """ + L
0 (#,3 "*.", #<(% """ + L

8/1,‘ * ‘ 5-/3.3 =‘ 7.<‘ 7,‘ -*+8,0 <,3 6 *+‘ #*,4 LW=
47,+ .0 ,-‘ 8/+?-. $. *+?‘ /-< &. 1,63$-=‘ /+‘ 7,‘ 8/1
1,-8*.‘ 5-/65,-* =‘ /0‘ 7,‘ 8/$+ -=‘ 7,‘ .<<,<‘ .$?7*+? = Y
‘ +<‘ /‘ 1.M,‘ $6 ‘ /4,‘ 7.#,‘ .‘ <,3‘ .6 .-?,‘
.6 . ‘ $-/5, L‘
+/ 7,-‘ .88/15 *67,< +/3 ,1.+‘ 47/‘ 0-/1‘ 7*6 -,6*<
*+?‘ .‘ (//5,-0 * ‘ *+‘ 7,‘ +,*?73/$-7//< /0‘ F*+<6/-‘
4.6 .‘ 7*6 5,-*/< 7-/4+‘ .‘ ?//< <,.‘ *+ /‘ 7,‘ *+?0
6/8*, =‘ 4.6 &/- /+‘ <,+‘ /-< ,+ ,=‘ 47/6,‘ <*5 /1. *
6,-#*8,6 .‘ 1/6‘ /0‘ 7,‘ (/$-6 /0‘ $-/5,‘ 7.< /3 .*+,< 0/-‘
7*1‘ 7,‘ <*6 *+8 */+‘ /0‘ +*?7‘ (/11.+<,-‘ /0‘ 7,‘ .7 *+‘
9: ‘ .+< 6$36,@$,+ =‘ 7,‘ 5,,-.?,‘ *+‘ : 20‘ *M,‘
1.+=‘ /7,-‘ 6 .,61,+‘ /0‘ 7,‘ <.=‘ 7,‘ 6,,16 /‘ 7.#,‘
3,,+‘ /-*?*+. =‘ *13$,< 4* 7‘ 6 -/+?‘ 5-,B$<*8,6 .?.*+6‘
,/-?,‘ 7,‘ 7*-<‘ 5-,B$<*8,6‘ 7/4,#,-‘ 47*87‘ /+‘ 1.M*+?‘
7,‘ 8/6,-E.8@$.*+ .+8,‘ /0‘ 7*6 '/#,-,*?+‘ 3,8.1,‘ 8/+#,- ,<
+ /‘ .<1-. */+‘ .+< ,6 ,,1‘ /‘ 7*6 3-/7,-‘ /-<
$8M .+‘ 0/-‘ *+6 .+8,‘ /-< ,+ ,=‘ 4-* ,6 0-/105//5,-0
* ‘ /4.-<6 7,‘ 8/6‘ /0‘ 9; Y ‘ ‘ .1‘ B$6‘ -, $-+,< 0*/1‘
7,‘ ,--.8,‘ 47*87‘ 4.6 7/+/$-,< #S* 70 7,‘ 5-,6,+8,‘ /0‘ 7,‘
Q$,,+‘ .6 4, ‘ .6 4* 7‘ 7. ‘ /0‘ 7,‘ *+?‘ +‘ F,<+,6<.=‘
7*6 &.B,6 =‘ 4* ‘ 7.#,‘ .‘ ,#,,‘ .‘ ' ‘ A.1,60 .+< *+‘ 7,‘
,#,+*+?‘ ?/‘ /‘ ,4‘ 47,-,‘ 7,‘ 4* ‘ 3,‘ 1,‘ 3=‘ 7,‘ Q$,,+‘
.+< -*+8,66,6‘ 7,-,‘ 4* ‘ +/‘ 3,‘ .‘ -.4*+?‘ //1‘ .6
.<=‘ .- 1/$ 7‘ 6$65,8 ,<‘ 3$‘ 7,=‘ 4* ‘ -,1.*+‘ .‘ ,4‘
* ‘ -*<.=‘ 47,+‘ 7*6 &.B,6 =‘ /+‘ 7*6 4.=‘ 3.8M /‘ F*+<6/-‘
4* ‘ -,#*,4‘ 7,‘ '8/ 87‘ -,=6 /+‘ 670/-< (/11/+‘ ‘ 7.<

I‘ (./‘ *%;,#68.73# "*.",#‘ <(%"<‘ +‘ L ‘ C‘ ' 9‘ ' (‘ ‘3 =."-,# (./‘
%;,#68.7‘ C‘ (./‘ ,%);‘ =")‘ ;‘ ,‘6,0(.‘ -=,%<, D‘ C‘ (-)"12‘1,=‘-(‘,(;;81",*-,‘
."1,A‘ (0‘ E*%,#3/,6-#4-)*-‘"#-(‘#*7‘-),‘#8;‘.,;*"1"12‘81+*"/‘#"1,‘-),‘*..*12,9
-),1-‘;*/,‘="-)‘)";‘ "1‘ L4-(‘6,‘+*"/‘ *17‘1,=‘/,6-#‘%%,2*%%7‘,(1-.*,-,/‘67‘
."; ‘*1/‘*-‘-),‘."#@‘(0‘-)(#,‘=)(‘-.8#-,/‘)";P‘="%%‘#-"%%‘,>"#-D4#(‘<(%‘"<‘+‘ 9
),‘=)(%, D*//# (./‘ *%;,#68.7‘C‘="%%‘,<"/,1-%7‘6,‘#A8*1/,.,/‘*=*7‘"1‘-),‘#*;,‘
=*7‘),‘)*#)"-),.-(‘%"<,/‘"1‘="-)(8-‘)"#‘*##8;"12‘*17‘(1,‘#"12%,‘,>-,."(.‘;*.@‘(0‘
.(7*%-7‘(.‘#+%,0"/(8.‘-(‘+.(<,‘-)*-‘)(‘*1/‘)"#)*12,.#9(1‘/(‘1(-‘:(1#"/,.‘"-‘*‘0*.:,D4‘
#(‘&‘ ‘C‘),‘."1:,3# ;#8",## D=."-,# (>‘(1‘-),‘!./‘(0‘,6.8*.7‘C/(;,#(1‘
-(9/*7‘ (‘"#-(‘2,-‘*‘2.,*-‘/,*%‘68-‘1(-‘,1(82)‘-(‘#,-‘)";‘A8"-,‘:%,*.‘=)":)‘"#<,.7‘
0((%"#)? 68-‘)*-‘"#-),‘=*7‘-),#,‘-)"12#*.,‘*%=*7#/(1, " ‘" 3)‘;/ ‘ ‘
‘ 7‘<(%‘""""‘+‘ ‘ -‘ (./‘ ,1%,7‘/",/‘ ,(‘ %)‘ ! ‘*-‘-),‘*2,‘(0‘#,<,1-79,"2)-
" ‘ ‘)

7,‘7/+/$-‘ /0‘ . ,+<*+?‘7* +‘6/1,‘7/$-6‘ =,6 ,-<.=‘*+‘7*6‘ -*<,2‘ .+<‘7.<‘.‘ /+?‘5 ,.6*+?‘8/+#,-6. */+‘4* 7‘7*1‘ .+<2‘ 6, *+?‘ .6*<,‘ . ‘ 8/$-*,-67*52‘ ‘ 8.+‘ 6.0,=‘6.=‘ 7.‘ 7,‘ 1/-,‘0‘6,,‘ /0‘7*1‘ 7,‘1/-,‘-,.6/+‘ ‘6,,‘ /‘ /#,‘ .+<‘7/+/$-‘ 7*1 L‘t

7,‘ 5-,<*8 */+‘47*87‘ 7,‘ *+?‘7.<‘7.>.-<,<2‘ 7.‘ 7,‘ ,.8,‘ 4/$<‘ $-+‘ /$‘ /‘7,‘ .‘ 1,-,=‘ ,N5,-*1,+ . L‘ /+,2‘ $+0/- $+. , =‘5-/#,<‘ /‘7,‘ /+=‘ //‘8/--,8‘ ‘/‘ $+1*6 .M,.7 ,‘3,8.1,‘ 7,‘6*?+6‘ /0‘ .+‘ ,+8-/.87*+?‘ .+<‘ ?-.65*+?‘5/ *8=‘ /+‘7,‘ 5.-‘ /0‘ -.+8,2‘1/-,/#,-‘6$87‘ 4.6‘ 7,‘5,-6/+.‘ .--/?.+8,‘ /0‘ .5/ ,/+2‘ .+<‘6$87‘ 7,‘ *+<*?+* *,6‘ /00,-,<‘7=‘7*1‘ /‘ 7,‘ -* *67‘ (-/4+‘ .+<‘ 7,‘ -* *67‘ 5,/5 ,2‘ 7.‘ *+‘ 7,‘ /5*+*/+‘ ,#,+‘ /0‘ 7,‘ 1/6‘ >,. /$6‘ .<#/8. ,6‘ /0‘5,.8,2‘0$-7,-‘ ,+<$-.+8,‘ 4.6‘ +/‘ /+?,-‘ ,*7,-‘7/+/$-.3 ,‘ /-‘6.0,‘ -* .*+2L‘ 4.6‘ 7,‘ *+6/ ,+‘3/.6‘ /0‘ 7,‘ *-6‘ (/+6$‘ /‘ 7,‘ +?*67‘ 13.66.</-2‘ ‘8.++/‘8/+ ,+<‘. /+,‘.?.*+6‘ -.+8, L‘ ‘ -,+,4.‘/0‘7/6*7*,6‘7.<*+‘0.8‘3,8/1,‘*+,#* .3 ,‘ 88/-<G *+?=2‘ /+‘7,‘;‘7‘/0‘&.-872‘.‘-/=.‘1,66.?,2‘/0‘6/‘7/6*,‘ .‘87.-.8 ,-‘.6‘ /‘3,‘E8/+6*<,-,<‘7,‘5-,8$-6/-‘/0‘4.-2‘4.6‘ <, *#,-,< /‘ .-*.1,+ I‘ /+‘7,‘ 9K7‘/0‘&.=‘.+/7,-‘ -/=.‘1,66.?,‘ .++/$+8,<‘7.‘7,‘ -* *67‘ .13.66.</-2‘ /-<‘F7* 4/-72‘7.<‘-,8,*#,<‘/-<,-6‘ /‘@$*‘ .-*62‘.+<‘ /+‘C7,‘0/ /4*+?‘<.=‘4,-,‘*66$,<‘.+‘ -<,-‘*+‘ (/$+8*‘ <*-,8*+?‘ -,5-*6. 6‘ .?.*+6‘7,‘?//<6‘ .+<‘ 6$3B,86‘ /0‘ -.+8,2‘.+<‘.‘5-/8 .1. */+‘<,8 .-*+?‘ .+‘ ,13.-?/‘ /+‘ . ‘ -,+87‘67*56‘*+‘ -* *67‘5/-6

N.8 =‘.‘4,,M‘.0 ,-‘7,‘<. ,‘/0‘7,‘ .6‘1,66.?,‘0-/1‘ 7,‘7-/+,2‘7,-,‘8/11,+8,<‘*+‘7,‘ /$6,‘/0‘ (/11/+6‘.‘ <,3. ,‘/+‘7,‘6$3B,8‘/0‘5,.8,‘/-‘4.-2‘47*872‘*+.61$87‘.6‘ * ‘7.<‘6*?+*0*,<‘7*6‘*+ ,+*/+‘/0‘ .M*+?‘.‘5.-‘*+‘*‘.0 ,-‘ 7*6‘ /+?‘ .36,+8,2‘7.<‘3,,+‘ //M,<‘0/-4.-<‘ /‘4*7‘ 7,‘ ?-,. ,6‘*15. *,+8,‘ * 2‘/+‘7,‘ /+,‘7.+<2‘ 7/$?7‘6*‘ 5,-6/+. =‘*+8,+6,<‘.?.*+6‘ <<*+? /+2‘4.6‘+,#,-7, ,66

F ' UX ' 'H ~' ' ! !

5-,5.-,< /' <,0,+< **6 5-,6,**' 7/6 * ,'' . * $<,' /4.-<6
-.+8,'ĺ 47* ,' /N .+< 7*6 *0*,7<6E /+' 7,' / 7,-' 7.+<2
3, *,#*+?' 7. 2 3=' 7,' ,N,-8*6,' /0 <$,' <*68-, */+' .+<
1/<,-. */+2 4.-' 1*?7' =,0 7, .#,- ,<2 4,-,' -,6/ #,< /'
/55/6,'*' /' 7,' .6
7,' -,.55,.-.+8,' /0 * ' *+' .-*.1,+2 .6 7*6 6 *00 '
.+< ,-,8' 0*?$-,' 1/#,< 6/4=' $5 7,' /$6,' /0
(/11/+6 /' 7*6 .88$6/1,< 6,.' 3,7*+< 7,' -E$-='
,+872 5-/#,< 7,' 6*?+.' 0/-' ?,+,-.' 8$-*/6*=' .+<
-,1.-M' '*+8,'' 7,' *1,' 47,+' 7,' 7.< .6' .<<-,66,< 7.'
.66,13=' 7,-,' 7.< 3,,+' .' ,+,-.' ,8*/+2 /+' 47*87
/88.6*/+2 6/ .-?,' .' +$13,-' /0 +,4' 1,13,-6 7.< 3,,+'
-, $-+,< /' .-*.1,+2 7.' *' 4.6 8/15$,< 7.' +/'
0,4,-' 7.+' 4/' 7$+<-,< /0 7/6,' 47/' +/4' 4,-,' 5-,6,+'
4,-,' 6 -.+?,-6 /'7*6 4/+<,-0$', /@$,+8,' ,#,-25,-7.562
/+' .+=' 6*1* .-' /88.6*/+' 7.< ,N5,8 . */+' -$+' 7*?7,-' ĺ =,2
7*?7 .6 *' -.+2 *' 4.6 <,6 *+,< +/' /' 3,' <*6.55/*+ ,<
7,'0*-6' *1,' 7.' 7,' .<<-,66,< 7,' /$6,2 7,'-,6$ ' 4.6
.' 8/15 , ,' .+< 3-* *.+' -*$157' ' * 06 65,,87 /+' 7,'
-<2L' 4-* ,6 /-< &. 1,63$-=2 ' 4.6 7,' 0*+,6' 7,' ,#,-'
1.<,' ,#,-' 4.6 .+=' 65,,87 6/' 87,,-,<2 /-' 6$87 *+8,66.+'
.+< /$< .55 .$6, L ' &-' F.-<2 .0 ,-4.-<6 .-' /0
$< ,=2 . 6/' 4-* ,6Y ' -6M*+,' .+< F7* 3-,.< 4,-,' 7,.-<
4* 7 *15. *,+8,2 .+< 47,+2 .' 7,' ,+< /0 .' ,<*/$6 7/$-'
.+<.' 7. 02 7,'-/6,2 7,-,' 4.6 .'#*/ ,+' .+< . 1/6' $+*#,-6.'
8-=' /0Y &-' * 'ĺ &-' * 'ĺ ,' 4.6 7,+' 87,,-,<3,0/-,'
7,' $,-,< .' 6= .3 ,Y .' 1.-M /0 .55-/3. */+' 47*87 4.6
-,5,. ,< .' . 1/6' . ' 7,' 3-* *.+' 5.66.?,6 .+< -,1.-MG
.3 ,' 6,+*1,+6ĺ .+< 47,+' 7,' 6.' </4+' 7,-,' 0/ /4,<
7-,,' /0 7,' /+?,62 1/6' ,.?,-2 .+< 1/6' ,+7$6*.6*8
3$-66 /0 .55 .$6,' ' ,#,-' 7,.-< *+' .+=' 5.8,' /+' .+='
/88.6*/+ĺ /N2 4* 7 7*6 6.' ?,+,-/6*=2 4.6 /$< *+'
7*6 5-.*6,' /0 7*6 -*#. 06 1.-#, /$6 , /@$,+8,' ' 4.6 .

I' (./' *%;,#68.73# "*.",#'<("' "<' +' ' (./' (%:),#-,.3# "*.",#' <("' "'
+'U ' -' *.% -*8)(+,3# "0,'(0 "--'<("'"<' +'U

' □

?-,. ,6' .1/+?' 7/6,' /0' 7*6' .+ .?/+*6 ' ' 4.6' 0-,,' 0-/+' **6' *B6$.' .+<' .1,+ .3,' 0.$ ' /0' -,5, * */+' #,-=' /+,' 6,,1,<' /' .?-,,' 7.' 7,' /$ <*<' 7*16, 0 L ' /N' 7*16, 0' 7/$?7' 4, ' /0' 7*6' /4+' 5,-0/-1.+8, ' ' <.-,' 6.=2L' 7,' 4-* ,6' /' /-<' / .+<2' '=/$' 7.#,' 7, .-<' 5$006' ,+/$?7' /0' 1=' 65,,87' $5/+' 7,' <<-,662' 6/' 7.' ' +,,<' +/' .<<' 1=' 1* ,' $' 7,' -$ 7' *6' 7.' * ' 4.6' 1=' 3,6 L' 0

<<*+? /+2' *+' 7,' 1,.+' *1, Y 8.6' *+ /' 7,' 67.<,' 3=' 7,' 3** *.+' .3* * *,6' <*65 .=,<' 3=' 7*6' 4/' * $6 -*/$6' 8/+ ,1G 5/-.-*,6 Y 7.<' +/' /+ =' '65/M,+'#,-=' 5//- =' L' *+' 7,' 8/$-6,' /0' 7,' <,3. ,2T' 3$' 0-/1' / 7,-' 8.$6,6' 3,?.+' /' 0*+<' 7*6' 4,*?7' .+<' 5/5$.-* =' ?-.<$. =' <,8-,.6*+?' 7,' 4/- <2' 0/-' *+6 .+8,2' 7.<' 3,?$+' /' -,?.-<' 7*1' .6' .' 1,-,' &*+*6 ,-' /0' 6$00,-.+8, ' * 2' 7/$?7' 7,' 7.<' $57, <' 7*6' 4.-05/ *8=2' 7.<' 1.*+ .*+,<' 6/' /1*+/$6' .' 6* ,+8,' /+' 7,' 6$3B,8' /0' 7,' ?,+,-.' 8/+<$8' /0' &*+*6 ,-62' 7.2' .6' /-<' &. 1,63$-=' /36,-#,62' 6/8*, =' 8/+6 -$,<' *' *+ /' .' ' +,?. *#,' 8,+6$-, L' [' .+=' 1/1,+' .+' .<#,-6,' 67$00,' /0' 7,' 5/ * *8.' 8.-<6' 1*?7' /88.6*/+' .' -,8*5-/8* =' /0' .8 */+' 3, 4,,+' * ' .+<' 7,' '/ <L' .+<' 1,4' L' 55/6* */+62' .+<' 7$6' 6,+<' <<*+?G /+' 3.8M' /' 7*6' 0/-1,-' 8/ 15.-. *#, =' *+6*?+*0*8.+' 5/6* */+' ,#,- 7, ,662' <$-*+?' 7,' +,N' 4, #,' 1/+ 76 Y .+<' 7/6,' 4, #,' 1/+ 762' 3,' * ' -,1,13,-,<2' 3,*+?' . 7/+?6' 7,' 1/6' 8-* *8.' *+' 7,' .++. 6' /0' +? .+< Y <<*+? /+' .+<' 7*6' 0-*,+<6' 4,-,' ,+.3 ,<2' 8/+6,@$,+' /+' 7,' <*#*<,<' 6 . ,' /0' 5.- *,62' /' -,1.*+' *+' 7,' 6 ,.<=' 5/66,66*/+' /0' 7,*-' 5 .8,6' 7.' 7,=' 8.--*,<' /+' 7,' ?/#,-+1,+' . ' . 2' <$-*+?' 7.' *1,2' 4.6' /0' * 6, 0' .+' .87*,#,1,+ 2C /' /+ =' 4.6' +? .+<' . ' 4.-' 4* 7' -.+8,I +/' /+ =' 7.<' &*+*6 ,-6' /' 8/+ ,+<' .?.*+6' 7,' *+6. *E ,' .13* */+2' .+<' -.+68,+<,+' ?,+*$62' /0' .5/ ,/+' I 3$' 7.' ,N -./-<*+.-=' 1.+ Y 3$-+*+?' /' .#,+?,' 7,' <*6?-.8,6' /0' (-,66=' .+<' ?*+8/$- 2' .+<' 7,

K' *.% -*1)(+,3# "0,'(0' "--'<(%'"<'+'L '
-' *.% 8##,%%B# , ; (."*%#'(0' (>'<(%'""'+' !'
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1.6 ,-‘ /0‘ 1* * .-=‘-,6/$-8,6‘ .6‘#.6‘.6‘7.<‘3, ,+‘ 4*, <,<‘3=‘
A$ *$6‘ ;6.-Y 4.6‘ 3$6* =‘ 5-,5.-*+?‘ /‘ 5$‘ *+‘ 0/-8,‘ 7*6‘
/+?083,-*63,<‘5-/B,8‘/0‘8/+@$,-*+?‘ 0-,.‘ -* .*+‘ ,0/-,‘
7,‘ 4*+ ,-‘6, ‘*+2‘3,‘3.<‘1.<,‘5-,5.-. */+6‘ /+‘.‘?*?.+*8‘
68. ,‘ R 55/6* ,‘ 7,‘8/.6‘/0‘ ,+‘4.6‘ ,+8.15,<2‘.+‘.-1=‘
/0‘ /+,‘7$+<-,<‘ 7/$6.+<‘1,+2‘47* ,‘.‘ /$ /?+,‘ .+<‘*+‘‘
/ 7,-‘5/- 6‘4.6‘<*6 -*3$,<‘.‘#.6‘0 / * .‘/0‘?$+03/. 62‘0/-‘
7,‘5$-5/6,‘/0‘8/+#,=*+?‘7*6‘3. . */+6‘ /‘ +? .+<‘ :‘
6*0*? ,‘3. ,E‘7,‘8. 8$. ,<2‘4/$<‘5 .28,‘7,‘ -* *67‘8.5* .‘
.‘7*6‘1,-8=

+‘ 7,‘ /2l7,-‘7.+<‘ -, .‘ -* .*+‘4.6‘ +/‘ $+5-,5.-,<
0/-‘ 7,‘ 7-, . ,7,<‘8/+ ,6‘ /‘/+ =‘4,-,‘3,-‘0 , , 6‘1/-,‘
5/4,-0$‘7.+‘ 7/6,‘/0‘ -.+8,2‘3$‘6/‘7*?7‘-.+‘ 7,‘65*-*‘/0‘
-,6*6 .+8,‘ 7-/$?7/$‘ 7,‘8/$+ -=2‘ 7.‘3,0/-,‘ 7,‘8 /6,‘/0‘
7,‘=, .-‘ 7,‘ " / $+ , ,-‘.+<‘) , / 1.+-=‘8/-562‘*+<,5,+<,+‘
/0‘ 7,‘-,?$.-‘.-1=2‘4,-,‘8/15$,<‘.6‘+$13,-*+?‘+, .- =‘
7-, ,‘ 7$+<-,<‘ .+<‘ ,*?7 =‘ 7/$6.+<‘1,+‘ (.156‘4,-,‘
0/-1,<‘*+‘<*0*,-,+‘5.- 6‘/0‘ 7,‘8/$+ -=‘47*87‘ 7,‘ *+?‘
<,7?7 ,<‘ /‘‘#*6*‘*+‘ 5,-6/+2‘.+<‘47,-,‘7,‘ *+#.-*.3 =‘
1,‘4* 7‘ 7,‘1/6‘,+ 7$6*.6 *8‘-,8,5 */+6‘ 7,‘8/$+ -=2‘
*+‘0.82‘-/6,‘. 1/6‘.6‘/+,‘1.+‘ /‘-,6*6‘ 7,‘*+#.<,-‘ 7,‘
/ < #=*+?‘ 4* 7‘ 7,‘ =/$+?‘*+‘ .-1*+?‘0/-‘ 7,‘ <,0,+8,‘ /0‘
7,*-‘ 7/1,6‘ /6,2‘0/-‘ *+6 .+8,2‘1,+ */+6‘ 7*6‘ 7.#*+?‘
3, ,+‘ 7,‘?$,6‘/0‘ &-‘ * ‘. ‘.‘<*++,-‘?*#,+‘3=‘ 7,‘ <,-‘
-, 7-,+‘/0‘ 7,‘ -*+* =‘ /$6,2‘,#,-=‘/+,‘/0‘47/1‘7.<
:-‘!‘,+-/ ,<‘7*16,0‘.6‘.‘#/ $+ , ,-‘ ‘ 7,‘6*?7 2L‘7,‘4-* ,62‘
‘4.6‘ -,. =‘.+‘ ,N-,1, =‘.0*,8*+?‘ /+,l .‘ +$13,-‘/0‘
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7,‘3,6‘5.-‘/0‘ 7,*-‘ *#,6‘3, ,+‘3, .*+?‘ 7,‘4.#,62‘+/4‘
8/1*+?‘0/-4.-<‘4* 7‘ 7,‘>, .‘.+<‘65*-*‘/0‘ .<62‘64, .-*+?‘
. ,?*.+8,‘ /‘ 7,‘ *+?‘4* 7‘.‘<, ,-1*+,<‘5$-5/6,‘ /‘.8‘
1.+0$ =‘*+‘7*6‘<,0,+8,2‘.+<‘0/-‘7,‘5-/ ,8*/+‘/0‘ 7,‘8.5* .‘
/+‘ 7,‘-*#,-L‘ ‘ +‘.*<‘/0‘ 7,‘6.1,‘?//<‘8.$6,2‘ 7,‘8 ,-?=

F ' L X ' ' ' ' !

-.*6,< *,*-'#/*8,6*+' *,'5$ 5* 2.+< 7,'5/, 6'5,++,< 7,*-' *+65*-. */+' -,.<='(.157, '7.<8/15/6,<22 47.' F.67G *+? /+' -#*+?'6 = ,6' 7.' ,N@$*6*,'?,1LYP),'&.-*+,-6' /0' +? .+<TCY

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_<'0',<,.'6.,*-)'(0' ."-"#)'2*%,'
)*R'0*1'-),' ."',(%(.
.'0((-#-,+'(0"1<*/,.#.8/,
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* 2 47/6,'/0'8,'/0' /-< F.-<,+'/0'7,'(*+@$,' /-6' 5.8,<7*1'*+'.'5-/1*+,+'5/6'/0'-,65/+6*3** =.+<<.+?,-2' 5-/#,<7*16,0.'1/6'.-<,+'.+<,+,-?,*8'#/$+,,-' * 2L'4-*,6'7*60-*,+<F<3,-0/-8,'/+'7,' 7'/0' $?$6 2' '*6.3/$'/'.M,'7,'8/11.+</0'7-,,'7/$6.+<#/$+,,-6' .6' /-<F.-<,+' '.1'$+,.6='.'* ' ,'</,6+/',+?.?,' /+',@$.'/-'8/11/+',-162.+<'7*6'65*-*'4* ' ,.<7*1'/' 3,'0/-,1/6'*+'7,'3. ,I=,2.6**'6'7*6'5-/5,-'5/62/+,' 8.+'6.=+/7*+?'.?.*+6'* LA

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JU /' U '%/

+' 7,' 1*<6' /0' 7*6' ,N8* , 1 ,+ 2' .+< 47* ,' 7,' 8/$+ -=' 4.6' *+' . 1/6' <.* =' ,N5,8 . */+' /0' *+#.6*/+2' /+</+2' /+' 7,' K 7' /0' 8 /3,-2' 3,8. 1,' 7,' 68,+,' /0' .' 1* * .-=' <*65 .=2' 47*872' 3=' 7/6,' 47/' 3/-,' .' 5.-' *+' * 2' 4.6' ,#,-' 65/M,+' /0' 4* 7' 5-/$< 6. *60.8 */+' +' 7. ' <.=2' *+' 7,' 5-,6,+8,' /0' P +3/$' 4/' 7$+<-,< 7/$6.+< 65,8 . /-62' ,/-?,' 7,' 7*-< -,#*, 4,< *+' =<,' .-M' 7,' " / $+ , ,-' (/-56' /0' /+</+2' .1/$+ *+?2' * ' 4.6' 6.*<2' *+' *+0.+ -=' .+< 8.#. -=2' /' 4, #,' 7/$6.+< 0/$-' 7$+<-,< 1 ,+' $+<,-' .-16' *?7 *+?' 0-/1' **6' 8.--*.?,' /+' ,+ ,-*+?' 7,' 5.-M2' 7,' *+?' 1/$+ ,< 7*6' 87.-?,-2' .+<2' .1*<6' 7,' 87,,-6' .+< 3,+,<*8 */+6' /0' 7*6' 6$3B,8 62' 5-,6,+ ,< 7*16, 0' *+' 0-/+' /0' 7,' /+?' 1* * .-=' *+,' 47*87' 7.< 3,,+' <-. 4+' $5' /' -,8,*#,' 7*1' ,' 4.6' . ,+<,< 3=' 7*6' 6,#,+' 6/+6' /+' 7/-6,3.8M2' .+< 3=' 7,' Q$,,+' .+<' -*+8,66,6' *+' /5,+' 8.--*.?,6' 1/+?' 7,' 65,8 . /-6' 4,-,' 7,' ,N* ,< -*+8,6' /0' 7,' /$6,' /0' /$-3/+2' 4* 7' 7,' ,N8,5 */+' /0' /$*6' 7,' *?7 , ,+ 7' ' ' 7*+M2L' 4-* ,6' /-< </+2' ' 7,' 0*+,6' 6*?7 ' ' ,#,-' 3,7, < 4.6' 7,' ?-, . ' -,#*, 4' *+' =<,' .-M' 3,0/-,' 7,' *+?2' ,/-?,' 7,' 7*-<' 7,' *+?2' *+' 5.66*+?2' .<<-,66,< /1' -6M*+,2' 47/' 4.6' (/ /+,2' .6M*+?' 7*1' 7,' +. 1,' /0' 7*6' 8/-56' ,' .+64,-,<2' ' 7,' ,#* 06' 4+ L' 7,' *+8/ +06' ++' " / $+ , ,-6' . 4.=6' 4,+' 3=' 7,' +. 1,' /0' 7,' ,#* 06' +#*+8*3 ,6
7,' *+?2' /+' @$* *+?' 7,' ?-/$+<2' 4.6' 0/ /4,< /' 7,' Q$,,+06' . .8,' 3=' .' #.6' 1$ * $<,' /0' 5,/5 ,2' 47/' -,+' 7,' .*-' 4* 7' 7,*-' 87,,-6' .+< 7$>>.6' 4/' <.=6' .0 ,-4.-<6' .' 6*1* .-' .+*1. ,< 65,8 .8 ,' 4.6' 5-,6,+ ,< *+' =<,' .-M2' /+' 7,' /88.6*/+' /0' 7,' *+?' -,#*, 4*+?' 7,' F ,6 1*+6 ,-2' .13, 72' .+< ' /$ 74.-M' " / $+ , ,-62' /' 7,' .1/$+' /0

3, 4, ,+' 0/$- , ,+' .+<' 0*0 , ,+' 7/$6.+<' 1 ,+' ' 1 .=' 3,' 1 ,+ */+,<' 7. ' 7,' / . ' +$13,-' /0' " / $+ , ,-6' ,+-/ ,<'*+' /+</+' .+<'* 6' 6$3$-3622 . ' 7*6' *1 ,2' 4.6' 8/ 15$,<' /' 3,' 0/- =06*N' 7/$6.+<

7,-,' 4.62' . ' 7*6' 8-* *8. ' 5,-*/<2'+/' *+<*#*<$. ' *+' -, . ' AW-* .*+' 47/6,' 5. -*/ *61' -/6,' 7*?7,-2' /-' 47/' 4.6' 1/-,' <, ,-1*+,<' /' 6.8-*0*8,' 7*6' *0,' 0/-' 7*6' 8/$+ -=2' *0' +,8,66.-=2' 7.+' 7,' 5*/$6' .+<' 7*?7065*-* ,<' *+?' ' 7,' 0.8 ' *6' 6$0 '0' 8*,+ =' 4, ' M+/ 4+' 7. 2' 7.<' 7,' *+#.6*/+' .8 $. =' .M,+' 5 .8,2' * ' 4.6' 7*6' *+ ,+ */+' /' 7.#,' .M,+' 7,' 0*, <' .+<' /' 7.#,' ,+8/$+ ,-,<' 7,' 0/,' . ' 7,' 7,.<' /0' 7*6' .-1=2' ' /' 71+.+' #/*8,2L' 4-* ,6' '*-' F . ,-' '8/ 2' ' 4.6' 1/-,' 0*' /' 8. ' .' +. */+' /' .-162'0/-' +/' 1.+' 5/66,66,<' 1/-,' 8/$-.?,' *+' 7*6' /4+' 5,-6/+' 7.+' ,/-?,' 7,' 7*-< L' ' 7,' .--.+?,G 1,+ 62' 3=' 47*87' 7,' *+?' 7/5,<' /' ,+6$-,' 7,' 6,8$-* =' /0' 7,' Q$, ,+' .+<' -*+8,66,62' .-,' ,N5 .*+,<' 3=' 7*1' *+' 7,' 0/ /4*+?' *+ ,-,6 *+?' , ,-' Y

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C -' *++,*.# -(' ; ,' 81%"@,%7' -)*-' -), ' "#)(+' (0' %*1/* 0 ='%%)*<,' #,1-' 7(8' *' :(+7' (0' -), ' +* ; +)%,-'), ')*# 58#-' +86%"#), / ' *1/' ; 8:)' ; (.,' #(' -)*-' 7(8' #)*%%)*<,' +8.:)*#,/' (1,' (0' -), ; '),#,' .,*#(1#)*<,' "1/8:,/' ; ' -(' 0(.=*./' -), ' (1,'), ' (./,.,/' -(' 6,' +8-' "1' ; 7'%"6.*.7'), ' +(%"-":*% +*.-')*# #(; ,' ; ,.-'"0'), ')*/' #-(++,/' -), .* 8-' =)*-'), ' #*7# (1' -), ' (+"*1' *-)(%".' :%,.27' (0' .,%*1/' *1/' (8.' 2.,*-' #*0,28*./#' -), ' ,#-' *1/' (.+(.*-"(1' :-#' "# ; (#-' 81+.(+,.' *1/' "1' ; 7' ; "1/' :." ; "1*% "1' *' ; , ; 6,.' (0' -), ')8.:)' (0' 12%*1/' *1/' #-'%% ; (.,' #(' :(' ; "12'0.(; ' *' "#)(+' ; "1,1-'-*%,1-# *1/' /'#:.,-"(1' *.,' 1(-' *%=*7# *%%",/' *1/' 1(' #-.(12,.' "1#-*1:,' :*1' 6,' 2"<,1' -)*1')" ; #,%0' (0' -), ' -.8-)' (0' -)*-' +(#'-"(1`

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-'), ' "12' .,0,.# -(' *' #+,,(R' =)":)' "#%"(+' E*-#(1')*/' "1-,1/,/' -(' /,%"<,.' "1' -%"(' (8#,' (0' %(./#' 68-' =)":%*'),' #86#,A8,1-%7' +.,0,..,/' 2"<"12' -(' -),' =(.%/' ;' -)(' #)*+,' (0' *' +*; +)%,- ')"# 2 ' ' ' T$' * ' <(%' "' +' ' c:' "#)(+' 8./' -)8# .,0,.# -(' "-' "1')"# *1#=,.' -(' -)(' "128# %,--,.4C 0' -),' & ' '%"*/' #((1' *1/' @1(=1' 1(-%""12' 68-' =%8"-' *' 1,=#+*+,.')*/' -(%/' ; ,' *1/' -%"*-' =*# -((' ; 8:)' 0(.' "-')*++,1,/' -(' 6,' -%":' (61(>"(8# +*.-' =%"" ()' 7(; ' *5,#-7' ; ,1-"(1# (-)"12':(8%/' 6,'%,## +.8/,1-' *-' -)"# -" ; , ' (.' %,## 1,:,##*.7' ' -)"1@' *-' *17' -" ; , D

C E,' *.,'),.,' "1' /*"%7' ,>+,:-*-"(1'-%"*-' 8(1*+*"9-,' ="%' *--,;+-')"#' -).,*-,1,/' "1<*#"(1' 68-3-),' :)*1:,# *2*"1#-')"#9#8::,##,,;' #(';*17-)*-' "-' "# =(1/,.08%),' +,.#"#-# "1' "-' ' (=1' '+%*:,'-)*-' -)(.(82)' /,+,1/,1:,' (1'-),' +.(-,:-"(1'(0' "<"1,' .(<'/,1:,'-)*-' ' :*11(-'),%+'-)"1@"12'-),' 8#8.+,.' "# ,1:(8.*2,/'-(' ;*@,'-),'-."*% -)*-')"# "%9#8::,## ;*7'+8-'*1' ,1/'-(')"# =":@,/'+8.+(#,#')(8%/')"# -.((+# ,00,:-'*'%*8/"12' '#)*%%' :,.-*"1%7+8-' ;7#,%0'*-'-),'),*/' (0';"1,' *1/' ;7'(-),.'*.:,/'#865,:-#'-('.,+,%'-),;?68-'*#"-'"# "';+(##"6%,'-('0(.,#,,'-),',<,1-# (0'#8:)'*':(10%":-'#)(8%/'-),',1,;7' *++.(*:)'-((' 1,*.'-(' E"1/#(.' '#)*%%'-)"1@"-'."2)'-),'H8,,1'*1/' ;7' /*82)-,.# #)(8%/':.(##'-),9 ,<,.1' *1/' #)*%% #,1/'-),;' -(' 7(8"3 +"#:(+*% *%*:,'*-' E(.:,#-,.' 7'-)"#)"1-' '/(' 1(-"1'-),' %,*#-' ;,*1'-),7'#)*%% 6,' *17"1:(1<,)",1:,' -(' 7(8' *1/' #)*%% #,1/' *' +.(+,.' #,.<*1-' *1/' 08.1"-8.,' 0(.'-),".' *::(;;(/*-"(1')(8%/' #8:)' *1' ,<,1-' *.'#,' ' :,.-*"1%7' =(8%/' .*-),.'-)*-' =)*-' '<*%8,' ;(#-"1'%"0,'#)(8%/'.,;*"1' /8."12'-),' :(10%":-"1'7(;' /"(:,#,' *1/' 81/,.'7(8.'.((0'-)*1"1' *17'(-),.'+%*:,'"1'-),'"#%*1/

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'/'?-,.'.'8/15*1,+'0-/1'M*6' '/#,-,*?+'8/$<68.-8,='0.*' /'5-/#,' 1/6'?-.*0=*+?' /' 7,'#,+,-.3,' 5-,.,' '0'*'5,.6,' /<2L'7,'4-/,'3.8M' /'7,'*+?2'7.'=/$-' &.B,6='3,'/55/6,<' /'7,'. .8M' /0'7*6'<.-*+?'.<#,+$-,-2' =/$'4*'7.#,'=/$-'47/,'5,/5,'-,.<=' /'6.+</-'0.'4*7' =/$2.+< *#*+,' -/#*<,+8,2'0*-1='3,*,#,2' /'3,'=/$-' 5-/,8/-'.+<'5-,6,-#,-' 0'7,'/88.6*/+'67/$<7.55,+2' 47*87'=/$-'&.B,6=06,+<,-'8/+8,-+'0/-'7/6,'1/6'+,.-='.+<'<,.-='-,.,<' /'=/$'6$??,66' /'=/$-'.55-,7,+G 6*/+2'1='/<.+<'0/-1,-='6/'1$87'7/+/$-,<1.+6*/+'.' F/-8,6,-'67.'3,'-,.<=' /'-,8,*#,'7,1E'.+<'*+'.6'?//<.' 8/+<**/+'.6'8.+'8/+-*#,' $'=/$-'&.B,6='*65,.6,<' /'.<<'7.'*0'6$87'.7'/88.6*/+'67/$<0.'/$2=/$'4/$<8,-.*+='-.7,-'47.'=/$'#.$,'1/6'*+'7*6'0*0,'67/$<-,1.*+'<$-*+?'7,'8/+0*8'*+'1='<*/8,6,'.+<'$+<,-'1='-/302'7.+'*+'.+='/7,-'5.8,'*+'7,'*6.+<' '1$6'3,?'=/$-

I' ,1-%,73# "#:,%%*17'<(%'>><"'+'L

&.B,6 =6 5.-</+ *0 '0,, ' 1=6, 0 //' 1$87 *15-,66,< 3= .' 6,+6,' /0 6/' 1$87 ?//<+,66 /' 1,2 /' 1.M,' 1= .8M+/4G ,<?1,+ 6 0/-' * L

.#*+?.68,- .*+,< 7,'1,.+6 3='47*872.' 7*6 1,+.8*+?5,-*/<2 7, *+?'7/5,< /' 6,8$-, 7,'6.0, =/0' 7/6,'47/'4,-,',+,.-'.+<'<,.-' /' 7*12 4,'.-,'+,N ',< /'*+@$*-,'47.'5.-'7,'7.<'*+ ,+<,< /' 7.#,'7*16, 0 .M,+2*+' 7,',#,+'/0.' -,+87 .-1=',00,8*+?.' .+<*+?'*+' 7*6 </1*+*/+6' .55* ='7,'0/ /4*+?'1,1/-.+<.' 7-/4'6/*+,'*+ ,-,6*+?'*?7'/+' 7,'6$3B,8 E

' /-< (/-+'4.M6 /' .M,' 7,' 8/11.+< /0' 7,'8,+-.' .-1=2 3,*+?'7,'-,.'-,6,-#,'/0' 7,')/$+ ,,-6 .+<.' 7,'5-/<$8*3 ,'0/-8,'/0' 7,'M*+?</12*+' 8.6,' 7,' -,+87 1.<,'.+=*15-,66*/+' /+' 7,'8/.6

' 7,' *+?' /' 1/#,' /' (7, 160/-<*0' 7,' .+<*+?'4.6 D+ 66,N2 /-' /' .-0/-<*0'*+' ,+2 .M*+?'4*7'7*1' &-' <<*+? /+' .+<' &-')/-M,'/0' 7,' (.3*+,

' 7,'Q$,,+2 U82 /'-,1/#,' /' 7,' ..8,'.' F/-8,6 ,-

' 7,' .+M 3//M6 /' 3,'1/#,< /' 7,' /4,-2 .+< 7,'<$5M8.,'3//M6 .+<-,.6$-,' /' 7,'(.7,<-.'.' F/-8,6 ,-'*+' 7*-='4.??/+62 $+<,-' '*-' E -//M F.6/+6 1.+.?,G 1,+2,68/-,<0-/1'8/$+ =' /'8/$+ ='3=' 7,')/$+ ,,-6

' 7,'1,-87.+6 /'67$'$5 7,' ' /8M N87.+?,

7,'.-* ,-=' .+< 6/-,6 0-/1' F// 4*87 /'3,' -.+6G 5/-,<*+ .+<3=' 7,' -.+<A$+8*/+' (.+.

' 7,' -,66 /'3,'5-/7*3* ,<0-/1'5$3*67*+?'.+='.88/$+'/0' 7,' *+?06 -//562 /-' /0' 7,',+,1=2 3$'3=' .$7/-*='0-/1' 7,' ',8-,.-=' /0' ' .,2 /'3,'8/11$+*8.,</00*8*.='4*8,'.' <.=' /' .' +,460 4-* ,-6 *+<*68-*1*+. ,='47/'1.=.55='0/-' * I' ,6,' 7,*-'5-,66,6 /'3,'6,*>,< .+<7,*-'5-*+ ,-6 *15-*6/+,<

' 7,' -*#='(/$+8*' /'3,'6* *+?'*+' /+</+2 /'*66$,'.' .8 6 /0' /#,-+1,+ L'

1/+? 7,5,-6/+6 47/4,-,1/65 5-,66*+? *+ 7,*-
.55 *8. */+6 /3, ,15 /=,< .?.*+6 7, ,+,1= *+ 7,
,#,+ /0 *+#.6*/+ 4.6 7, -*+8, /0 F.,62 47/2 +/
6. *60*,< 4* 7 7, 87.+8,6 47*87 7, 7.< /0 <*6 *+?$*67G
*+? 7*16,0 .60 (/ /+, /0 7, ,+ 7 *?7 -.?//+62
.<<-,66,< $-?,+ .55,. 6 /7, *+?2 /0 7, $M, /0
828#) /-M .6 (/11.+<,-0*+0(7*,0B .+<0 /7, -*1, &*+*6 ,-2
/3, .55/*+ ,< /6/1, 7*?7 .+< -,65/+6*3 , 1** .-=
8/11.+< ' +,*7,- <*<2L7, 4-* ,6 / <<*+? /+2 /sG
</5-,6$1, /+ 6$55/6,< . ,+6 .6 ,+** *+? 1, /6$87
.+ .55/*+ 1,+ ' .1 .4.-, </ +/ 5/66,66 7, ,NG
5,-*,+8, /0 .8$. 4.-0.-, 7, 6.1, *1, 8.++/
-,?.-< 1=6,0 .6 / . =$+@$. *0*,< /- <,0*8*,+ *+ 1**G
.-= 68*,+8,2 6*+8, 7.#, /+? 1.<, 7, 6,-#*8, --*=
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.15 ,< <*00*8$ =.+< <.+?,-S $?7 +/ /67.-, *+
7,? /-=/0#*8 /-=47,+ 7.#,,#,-= 7*+? /6,3=<,0,. S
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7, =/$+?,-3-.+87,6 /0 7, /=. .1* = /1, . /+,
+/5.8, *6 .66*?+,< .1 +/ 7/$?7 4/-7= /3,
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3, @$,6*/+,< 47,7,-2 .0 ,- 7, -,8,+ 1** .-= 67/- G
8/1*+?6 /0 7, $M, /0)/-M *+ 7, /4 (/$+ -*,62 7,
5,/5 , /0 +? .+< 4/$< 7.#, 6$31* ,< / . 6,8/+<
-*+8, /0 7, //< 3,*+? *+ -$6 ,< Y ,65,8*. = *+ . 8-*6*6

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I 118* ,2"#-,.0(. !++ L U L -6"/ +U

/0 ?-,. + . */+. 5,-* Y 4* 7 *15/- .+ ,15 /=1,+ *+ 7,' 0*, < . ,#,+ 62 7*6 -,@$,6 1, 4* 7 .' -,0$6. 2 .+< .55.-,+ = 5+ 1 1/6 B$6 *0*.3 ,' ?-/$+<6 / /+ =2 0/- *+6 .+8,2 <*< 7*6 5-/0,66*/+. *+,N5,-*,+8,' 5-,G 6,+ .' 6$00*8*,+ /3B,8 */+ / 7*6 3,*+?' .55/*+ ,< / .' 7*?7' 8/11.+<B 7$ * . .55,.-62 3= . , ,- .<<-,66,< / 7*1 3= 7,' **M,' /0) /-M *+ 9: W2 /+ 7,' /88.6*/+ /0 7*6 3,*+?' .55/*+ ,< / 7,' 8/11.+< /0 7,' ,+ 7 *?7 -.?//+62 7. 7,' 4.6 7,+ <*6 *+8 = *+0/-1,<2 3= 8/1G 1.+< /0 7,' E*+?2 7. 7,' 4.6 /+ +/ .88/$+ / -,?.-< 7,' .-1= .6 .' 5-/0,66*/+2 +/- / ,N5,8 5-/1/ */+ / .' 7*?7,- .+M 7.+ 7. /0 (/ /+, /4 <, ,-1*+,< 7,' *+?' 8/+ *+$,< / 3,' /+ 7,' 6$3B,8 7,' 0/ /4*+?' , ,- ,#*+8,6 Y

#' $,' E !' F @ & ' /0 H '23 3

<)(82)' *++%*8/ 7("8 V,*% *1/ #+"."-' (0 =)":) ' -.8#-' 1((1,' :*1 #8++(#,*17 (0 ;7 0* ;"%7 =*1-"12' 7,-' :(1#",."12 -),' .,+,*-,/ /,:%*.*-"(1#)*<,' ;*/,' (0 ;7 /,-,. ;"1*-"(1 (1 7(8.' 0(. ;,.' *++%":*-"(1# -(-),' #* ;,' +8.+(#,')*/ 0%*--,.,/ ;7#,%0 -( )*<,'),*./ 1(08.-),.' (1 -),' #865,:-')(8%/ -),' " ;+%*:*6%,' 1, ;7 #(0*.' #8::,,/ *# -(%*1/ 7(8 ="%%)*<,' *1 (++(.-81"-7 (0 #)(="12 7(8.' V,*% *-' -),'),*/ (0 7(8.' .,2" ;,1-' -' "<"%% 6,' -),' /8-7 (0 ,<,.7 ;*1 -(#-*1/ 0(.=*./ (1 #8:)' *1 (::*#"(1? *1/ ' #)*%% :,.-*"1%7 -)"1@ "-' ;"1,' -(#,-' *1 ,>* ;+%,' "1 /,0,1:,' (0 ,<+.79 -%""12 -)*-' "# /,*.' -(;,' *1/ -(;7 +,(+%,

C ' ,<,.' ., ;*"1 ;7 /,*.' #(1

)/$- 1/6 .00,8*/+. ,' 0. 7,-2

7,' -*+8,06 , ,-6 /+ 7*6 /88.6*/+ Y 47*872 7.< 7,= 3,,+ 7*6 /4+ 8/15/6* */+2 4/$ < 7.#,' 3,,+ 8-,<* .3 ,' / 7*1 Y 4,-,' . 7,' *1,' 6$55/6,< / 7.#,' 3,,+ 4-* ,+ 3= '7,-*<.+ 7,= .-,' +/42 7/4,#,-2 M+/4+ / 7.#,' 3,,+ 8/15/6,< 5.- = 3= '*- /3,- F*6/+ .+< 5.- =

3B' /-< $ 87*+6/+ ' '7,-*<.+2' *+' 0.8 2' 4.6' +/ ' /+ =' /55/6,< /' 7,' -*+8,05' 8.*16' /' 3,' +/ 1*+. ,< /' .' 7*?7' 1*E .-=' 8/ 1 1.+<2' 3$' ,#,+' 7.>.-<,< 7,' /66' /0' 7,' -*+8,05' 0-*,+<67*5' 3=' -,6*6 *+?' 7, 1' 47,+' 3-/$?7' 3,0/-,' .- *. 1 ,+ T' F 7. ,#,-' .1 / +' /0' /00,+8,2' 7/ 4G ,#,-2' '7,-*<.+' 1.=' 7.#,' ?*#,+' 3=' 7*6' /55/6* */+2' 7,' -*+8,05' <*65 ,.6$-,' 4.6' ,#*<,+ =' /0' +/' /+?' <$-. */+' ' 1$6' 4-* ,' =/$' /+,' *+,2L' 4-* ,6' /N' /' /-< -,=2' /' , ' =/$' 7.' ' 7,.-' 7.' /+' 7,' #,-=' <.=' ' 4.6' 4-* *+?' 1=' /+?' , ,-' /' 7,' -*+8,2' 7,' .+< '7,-*<.+' 4,-,' ?, *+?' <-$+M' H 8I8 H / .+< 7.' 7,' . ,-' 3/.6 62' 7.' 7,' 7.< 8/+#*+8,< 7*6' /=.' *?7+,66' 7.' .H' 7,' 7.< </+,' 4.6' -*?7 ' ' *6' +/' 7,', Y 47*87' 1.=' 3,' .' 0. 6, Y3$' 7,' <*+*+?' H 8I8 H '*+' 7,' 5-,6,+' 8*-8$1G 6 .+8,' 47*87' 1.M,6' .+' *15-,66*/+' /+' 1, LA' ' 4I.6' /' 7,' 8-,<*' /0' 7,' -*+8,' /0' F. ,6' 7.' 47,+' 67/- =' .0 ,-0' 4.-<6' 7,' /00*8,' /0' ,8,*#,-' /0' 7,' $87=' /0' (/-+4.' 3,8.1,' #.8.+' 3=' 7,' <,. 7' /0' /-< */ 2' 7,' 8/+0,--,< *' $5/+' '7,-*<.+' ' *6' 6. *60.8 /-=' /' 1,2L' 4-* ,6' '7,-*<.+' /' 7,' -*1,' &*+*6 ,-2' ' 7.' 7*6' .55/*+ 1,+' ?*#,6' 1,' 7,' * ,' .+< /55/- $+* =' /0' 6,,*+?' 7,' -*+8,' /+' -=*+?' /88.6*/+6' /5,+ =' .+< *+' 7,' 0.8,' /0' <.=2' .+<C 5$ 6' .6*<,' 7,' 1.6M' /0' 1=6 ,-=' .+< 8/+8,. 1,+ L'[

I' ((.(3#' "0,' (0'),."/*1'<(%'""'+'! '!./',/"-"(1'),' ."1:,'-)(82)-'+.(+,.' -(' +86%"#)' -),':(..,#+(1/,1:,'"1:%8/"12')"#0*-),.3# %,--,.'-(')"; ' =)":)' 1*-8.*%%7' 2*<,' 2.,*-' (00,1:,'-(' -),' "12'),' :(..,#+(1/,1:,' =)":%==*#0".#-' +86%"#),/' "1' -),'M (.1"12').(1":%,'3(0' ,:, ; 6,.' ' !'="%6('0(81/'.,+."1-,/'"1'-),' 118*% ,2"#-,.'0(.'-)*-'7,*.'+'! U' c('),' .,08#*% (0'-),' ."1:,3# (00,.'(0')"#;"%"-*.7' #,.<":,# =*# ;(.,'-)*1' (1:,' /"#:8##,/'"1'-%",' (8#,'(0' (; ;(1#' C 1/'23 3 '=."-,# (./' (%:),#-,.'P .' 7.=6"--'*1/'#,<,.*% (-),.' ; , ; 6,.#8.2,/'-),'2"<"12'*' 0(.=*./'#-*-"(1'*1/'/"#-"128"#),/'.*1@-('-),' ."1:,'(0'E*%,#"1'-),' ;"%"-*.7'*..*12,G ; ,1-#?)"# (7*% "2)1,##)*<"12'(00,.,/')"#,.<":,#'=)":)')*/'1(-'6,,1'*:.,+-,/' *1/'-)*-),' ., ; *"1,/'(1%7'*' (%(1,% -)(82)'-),' 8@,'(0' (.@=*# (; ;*1/,.9"19' %"",0'*1/',*:)'(0')"#(-),.'6.(-),.#)*/'-),'.*1@'(0'*' ",8-,1*1-9 ,1,.*%D4* ' 4)'0 '<(%'"'+'U ' C E=' 0 /(4F (=' *%#(' /,:%*",/'8+(1'-),' "12B#',.08#*%(0'.*1@*"1%:(; ;*1/'-('-),' ."1:,'(0'E*%,#D4*('+'U -' ((.(3#' "0,'(0'),."/*1'<+%'"'+'! '*1/' '),."/*13# +,.:),#'<(%'""'++'UL 'UL ' *.% 8##:R8# , ;(."*%#(0' (>'<(%'""'++'U 9 '),'/"11,.'"-'*++,*.#'-((@ +%*:,'"1-),' (:(*' .,' %86'"1' -' *;,#3#9#-.,,- 4 6"/ '+'U Z ((.,3#' "0,'(0'),."/*1'<(%'""'++'! '!

7, 0/ /4*+? 3-*, ,N -.8 6 0-/1 /-< &. 1,63$-=
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-,0,-,+8, / 7, *+? 5,-6/+. =2 /- , 6, .6 7, .-*+? $5/+
6/1, ,#,+ /0 *+ ,-,6 47*87 4, 7.#, . , = 7.< /88.6*/+
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< " \2 / 9; Y 7, *+?0 8/15/6$-, /+ 7, .-*+?
/0 ,65.-<0 7/--*< <,6*?+6 4.6 -,1.-M.3 ,2 .+< ,#*+8,6
. 6 -,+? 7 /0 1*+<2 .+< -.+@$* * = /0 8/+68*,+8,2 7.
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$ < ," 96 2YE ,65.-< .+< 7*6 .66/8*. , -.* /-6 7.+?,<
. 7. 005.6 ,*?7 .-<,+,<#* .*+6 ,65.-<1.+*0,6 ,<
+,* 7,- 0,.-2 -, *?*/+2 +/- -,1/-6, *,<2 7.-.+?$*+? 7,
1/32 4* 7 . *, *+ 7*6 1/$ 7 3$ * 5-/<$8,< +/ ,00,8
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,#,+*+? /0 7*6 <.= . .<= 3,-8/-+0E.0 ,- 6*+?*+?2 U8
'.*< 67, 7.< ?/+, / 6, 5//- &-6 ,65.-< *+ 7, 1/-+G
+? '7, << +/ M+/4 7,-2 3$ 67, 4,+ / 8/10/- 7,-2
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3, ,+ 3-/$?7 3.8M / 7,- 7*6 *6 7, 8/+6,@$,+8, /0
, 6/+ 7.#*+? 65/M,+ / 7*6 87.-.8 ,-0
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5$-5/6, 7. 2 47,+ 7, 4.6 / < /0 7, <*00*8$ *,62 7,
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-' 6"/ ' +' ,#+*./B# .,;*"1#')*<"12 6,,1 2"<,1 8+ -(' %""# 0.",1/#' =,.,'
"1-,..,/ 67 -),;' "1 -),', ,;,-,.7 (0 -' *"-)' (1 -%",' #(8-%" #"/,' (0 -' *8%3#
-),/.%' I' 6"/ ' +' U

"*8,-/=2 $6 =/$+?,6'6/+ 7,' $M,' /0 (.13-*<?,' ' 7,' /66 /0 .+/#,-2L' #`-* `6 /N2 7.62 ' .1' / <2 .00,8 ,< 7,' *+?' 6,#,-, = L ' F ,' 7.#,' 7,' ,#*<,+8,2 7/4,#,-2 3/ 7' /0 /-< &. 1,63$-=' .+< /0 /-< ,+ ,=' 7. ' 7,' *+?' 3/-,' 7*6 /66 4* 7' 6*+?$.-' ,@$.+*1* =' ' <,G 0,--,<2L' 4-* ,6 7,' . ,-' 0-/1' (//5,-06 * ' /+' 7,' 9W 7' /0 A$+,2 5.=*+?' 1=' <$ =' /' 1=' -/=. ' +,*?73/$-6 * ' 7*6 1/-+*+?' ' 4,+' /$' 0/-' 7. ' 5$-5/6,' 6//+' .0 ,-' 7-,,2 .+< 1,' 7*6 &.B,6 =2 7,' -*+8,66,6 '/57*.' .+< 1,7.2 7,' $M,6 /0 ($13,- .+< .+< (.13-*<?,2 4* 7' .' +$1,-/$6 6$* ,2 B$6' 8/1*+?' *+ /' 7,' .-M' ' -/<,' 4* 7' 7,1' +,.- =' 7-,,' 7/$-62 .+< 0/$+< 7,' *+?' Y' -/<7,'5-.*6,<TY 4, ' .+<*+' ?//<65*-* 6' .+/#,-' 4.6 1$87' 65/M,+' /02 .+<2 7/$?7' 7,' *+?06 1*+< 1$6' </$3 G ,66 3,'?-,. =' .00,8 ,<3=' 7,' -$ =' .3/1*+.3 ,'8/+<$8' /0 7,' -,+872 .+< 7,'6$00,-*+?6 /07*6 6$3B,8 62 =,' 7*6 ?//< 6,+6,' .+<-,7?*/+'5-,#,+' 7,1'0-/1'1.M*+?' //' <,,5 .+' *15-,66*/+' /+'7*1' ,'4.6#,-=' ?-.8*/$6 .+<#,-='M*+< L' ' /01/--/42L'.<<6 /-< ,+ ,=2' 7,' /=. ' .1* =' ?/,6 .?.*+' /' 68/2 47* 7,-' .<=' ,+ ,=' .+< 2 7/$?7' .?-,,0 *+?' 5,-0,8 =' 4* 7' 7,'Q$,,+' 7. ' .' -.8,'*6 .'#$?.-' 3$6*G +,662 67. ' .6/' /08/$-6,'?/' +' F,<+,6<.=' 7,=' -,1/#,' /' ,42 .+<-, $-+' /' F*+<6/-' /+' 7,' -*<.=L'0

),' 0(%%(="12 +%,*#'12 .,:(%%,:-"(1# (0 ,(.2,' -),')".'/ *.,' 0.(;' -),' +,1' (0-),' *::(;+%'#),'/ /"+%(;*-"#-' ".' ,(.2,' (#,' -),'#(1' (0-),' "2)-' (1(8.*6%,' ,(.2,' (#,' =)(#,' /"*.",# *1/' %,–,.#)*<,' 6,,1' #(' (0-,1' .,G 0,..,/-(*1/A8(-,/"1'-),#,'+*2,#?4

9 '? 'D ' ' 'D '9 'M ' 'O ! /

"7 b

C'F '' (3 9' UL

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,-8.1 (0 -), "123# ; ,1-*% ; *%*/7 4 (> *1/ -), . ,1<"%%," +*.-7 81"-," *21""""%-
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E *%,# 4), "128# ,>:%8#"(1 (0 (> 0.(; -),' 1(= *6"1,-4 (>8#)*1/#(; (
:(1/8:- (1 -),' (::*#"(1 4 (./ .,1<"%%," *1/)"# 0.",1/# .,08#,' -(' 5("1 "--3#
"1"#-.7 4 (1/8:-(0 (./ .,1<"%%,

7, 1,.+ *1,2 <<*+? /+ 7.< 0/- 1.+= 1/+ 76 5.6 3,,+ ,0 *+ 7, 8/15.-. *#, = -.+@+* 5/66,66*/+ /0 5/4,- .+< 5.8, .+= 1/1,+ 2 *+<,,<2 .+ $+*/+ /0 5.-*,6 1*?7 7.#, ?*#,+ .<,. 703 /4 /7*6 -,65,8.3 , <1*+*6G -. */+2 3$ .6 =, * .+< /N 4,-, 6 * // 1$87 . #.-*.+8, /-,+<,- 6$87 .+ ,#,+ #,-= 5-/3.3 , &/-,G /#,-2 3,6*<,6 7, .<#.+ .?, <,-*#,< 3= <<*+? /+ 0-/1 7*6 -,5$. */+ 0/- 5-*#. , #*- $, .+< 5/ **8. *+ ,?-* =2 7, 6 * , .*+,< 7, 0.#/$- /0 7*6 ' /#,-,*?+2 .+< / 6/1, ,N ,+ 7, 8/+0*<,+8, /0 7*6 0, /408/$+ -=1,+ , 4.6 -,5-/.87,<2 *+<,,<2 4* 7 $+<$ = 5-,0,--*+? 7*6 +,.- -, . *#,6 .+< 0-*,+<6 / ' . , .55/*+ 1,+ 6 /0 5-/0* .+< -,65/+6*3* * =2 3$ .55.-,+ = 7, 87.-?, 7.-1,< 7*1 3$ * , *+ 7, /5*+*/+ /0 7, 5$3 *8 <<*+? /+06 /4+ 8/++,N*/+62L 4-* ,6 7, Q$.- ,- = ,#*,4,-2 7.< .67.-, *+ 7, 6,8/+<.-= /* 0*8,6 / 47*87 7,*- 6 .+,0*+? .6 5$3 *8 1,+ 7.-< = ,+ * ,< 7,1 &- -.??,2 7*6 3-/70,-0*+0 .4 Y 7,+ *+ 7*6 0*-6 .- *.1,+ Y 4.E -.*6,< / 7, -*#= (/$+8* /e06 /00*8,/0 -,.6$-,- /0 7, .#= *6 687//0, /4 .+< *+ *1. ,2 &- /+< Y0B$6 8/1, *+ /

.- *. 1 ,+ YE4.6 .‘ /-< /0‘ 7,‘ -, .6$-=‘ ’/‘ . 6/‘ 4.6‘ 7*6‘ 8/$6*+2‘ &-‘ / <*+?2‘ 47/‘ </,6‘ +/‘ 6, ,1‘ /‘ 7.#,‘ 3, ,+‘ *+‘ .- *. 1 ,+‘ . ‘ . ‘ &-‘ <. 162‘ .+/ 7,-‘ 3-/ 7,-0*+0 . 42‘ 4.6‘ .‘ /-< /0‘ 7,‘ <1*-. = L‘

$ 2‘ 8. 1‘ .6‘ .55, .-,<‘ /‘ 3,‘ 7,‘ 5/ * *8.‘ 7/-*>/+2E‘ .‘ 6 /-1‘ 4.6‘ . -, .<=‘ ?. 7,-*+?E‘ ‘ * 2L‘ 4-* ,6‘ /N‘ /‘ -,=‘ /+‘ 7,‘ 9: 7‘ /0‘ ,8, 13,-2‘ ‘*62‘ ‘ 7, .-2‘ 1/-,‘ .+< 1/-,‘ 3* ,-‘ .?. *+6‘ 7,‘ &*+*6 ,-62‘ .+< 0, ,6‘ 6 -/+? =‘ 47.‘ 7,‘ <, ,16‘ 7,‘ ,13.--.661 ,+‘ /0‘ 7*6‘ 6* $. */+‘ ‘ .1‘ / < 7,‘ ,#, +‘ ,N5-, 66, 6‘ 7*6‘ 6, + *1 ,+ Y .+‘ /5, ++, 66‘ +/‘ #, -=‘ 6.‘ 4* 7‘ 7*1 Y /‘ 6/1,‘ /0‘ 7*6‘ 0-*, +<6 L‘0‘ /N2‘ *+‘ 0.8 2‘ 47/‘ 7.< 8/+ *+$,< /‘ 6$55/-‘ <<*+? /+‘ 6/‘ . ,‘ .6‘ 7,‘ 1/+ 7‘ /0‘ 8 /3,-2‘ 7.< 3,?$+‘ /‘ <*68/#,-‘ 6*?+6‘ /0‘ #, ,-*+?‘ -/$+< /‘ 7,‘ ,+, 1=‘ +‘ 7,‘ 7‘ /0‘ /#, 13,-2‘ 7,‘ 4-* ,6‘ /‘ ,+, -.‘ * >5. -*8M Y 0‘ 7,‘ ,4‘ 55/6* */+‘ . .8M‘ 7,‘ ?, +, -.‘ 6=6 , 1‘ /0‘ <, 0, +8, 2‘ ‘ .1‘ <, ,-1*+,< /‘ 6$55/-‘ 7, 1‘ #*?/-/$6 =IL‘ .+< .?. *+2‘ 3, 0/-,‘ 7,‘ 8 /6,‘ /0‘ ,8, 13,-2‘ 4,‘ 0*+< 7*1‘ *6 ,+*+?‘ /‘ /#,- $-, 6‘ 1.<,‘ /‘ 7*1‘ 3=‘ 7,‘ -, +G #* ,‘ 5.- =2‘ /0‘ 47*87‘ 7,‘ .#/4,< /3B, 8‘ 4.6‘ .‘ 8/13*+,< .+< 6=6 , 1. *8‘ /55/6* */+‘ /‘ 7,‘ <1*+*6 -. */+ T

’$87‘ 4.6‘ 7,‘ 6 . ,‘ /0‘ 5/ * *8. 5.- *, 6‘ 47, +2‘ /4.-<6‘ 7,‘ *; _‘ 1*<< ,‘ /0‘ A.+$.-=2‘ 9; _2‘ 7,‘ *+?‘ 4.6‘ 6, *>,< 4* 7‘ .+‘ . .8M‘ /0‘ * +, 662‘ 47*872‘ 3, 0/-,‘ /+?2‘ 4.6‘ 0/ /4,<2‘ .6‘ /+‘ 0/-1 ,-‘ $+7.55=‘ /88.6*/+62‘ 3=‘ .‘ ,15/-.-=‘ <, -.+?, 1 ,+‘ /0‘ 7*6‘ -, .6/+*+?‘ 0.8$ *, 6‘ ,#, -7, ,662‘ 47, +2‘ /+‘ 7,‘ 9; 72‘ 7,‘ ’5, .M, -‘ 4-/ ,‘ </4+‘ 7*6‘ +. 1,‘ . ‘ $8M*+?7. 1‘ /$6, 2‘ 7,‘ 4.6‘ *+0/-1,< 7. ‘ 7,‘ *+?‘ 4.6‘ 6/‘ 1$87‘ 3, ,-‘ 7. ‘*+‘ 7,‘ 8/$-6,‘ /0‘ 7,‘ <.=‘ 7,‘ 7.< 3, ,+‘ .3 ,‘ /‘ 4. M‘ 0/-‘ .+‘ 7/$-‘ /- 4/‘ *+‘ 7,‘ ?E<, +6‘ 3, 7*+< 7,‘ 5. .8, ‘ +,‘ <.=200E4-* ,6‘ /-< </+2‘ 47, +‘ ‘ 4, +‘ /‘ 1. M,‘ 1=‘ I. ‘ /0‘ <$ =2‘ -‘ ’*11/+62‘ 7,‘ 1,<*8. ‘ . ,+<. +‘ 8/+G 6 .+ =‘ 7,-, 2‘ -, 5-, 6, + ,< /‘ 1,‘ 7,‘ ,13.--.661 ,+‘ 7,

F‘ H8*.-, .%7‘ ,<", = ‘ <(%‘ >#">‘ +‘ L
-‘ *.%‘ 8##, %%3#‘ , ; (."*%#‘ (0‘ (>‘ <(‘ """"‘ +‘ UU!
"‘ 6"/ ‘ +‘ U! ?‘ <(%‘ "<‘ +‘ ‘ ‘ ^

4.6 ,N5/6,< /2 3,*+? 5,-6$.<,< 7. *0 7*6 &.B,6 = 8/$ < 7.#, . 4. M 0-,@$,+ = -/$+< 7, ?.-<,+ 3,7*+< 7, 7/$6,2 * 4/$ < 3, /0 7, 1/6 ,66,+ *. 3,+,0* / 7*1 7. *0 7, //M 7*6 4. M 4* 7 7, /8 /- /- .+= /0 7*6 . ,+<.+ 62 7, 4.6 /#,- //M,< 0-/1 7, 4*+</46 /0 .(#<,1(. %*:, *1/ .,+(.-#B =,.,:".:8%*-,/ <,.7 :(1G -.-= / 7, -$ 7 -,65,8 *+? 7*6 D&.B,6 =06 1,+ . 7,. 7 7. 2 /+ 7, / 7,-7.+<2 7*6 &.B,6 =06 0.1* = 4,-, .0-.*< /0 .88/15.+=*+? 7*12 .+< 7. 7,2 C 7` /8 /-2 <*< +/ M+/4 7/4 / .8 2 .6 7, 4. M 4.6 /0 #.6 *15/- .+8, / 7*6 &.B,6 =06 -,8/#,-=I A P4.6 / 1, 5 .*+2L 8/+ *+$,6 %* -< </+2 7. 7, 4*67,< 7. 67/$ < /00,- / . ,+< 7*6 &.B,6 = .+< 4. M 4* 7 07*12*+ 7, ?.-<,+ /00,-,< / </ 6/ *0 7, 7/$?7 * *M, = / 7, $6,0$ / 7, *+? , 7,-$ 4,+ *+ / 7, +,N -//1 47,-, 7, *+? 4.62 .+< 7,.-< 7*1 6.=Y P '*-2 7, (*.+8, 3- *6 8/1, / .M, .4. M 4* 7 =/**- &.B,6 =2 *0 =/$- &.B,6 = 5 ,.6,6 / . /4 * CY P F * 7 . 1= 7,.- 2C /#,-7,.-< 7, *+? 6.=2 .+< 7, 8. ,< 0/- 7*6 7. .+< 8.+, F , 4. M,< 4/ /- 7-, , *1,6 -/$+< $8M*+?7.1 /$6, .-<,+6 7, -, 4.6 . 0*-6 . 1/1,+ .-= 7$--= .+< *+8/7,-,+8, *+ 7*6 &.B,6 =06 . M2 3$ 7*6 <*< +/ ,+<$-, 4/ 1*+$,6 $-*+? 7, -,6 /0 7, 4. M 7,-, 4.6 +/ 7, 6 *?7 ,6 .3,--. */+ *+ 7*6 &.B,6 =06 8/+#,-6. */+2 .+< 7, ?.#, 1, 7, 7*6 /-= /0 ,#,-= <1*+*6 -. */+ *+ 7*6 -,*?+ F 7,+ 4, -, $-+,< *+ / 7, 7/$6,2 7*6 &.B,6 =2 .=*+? </4+ 7*6 7. .+< 8.+,2 5 .8,< 7*6 7,.< $5/+ 1= 67/$ <,- .+< 3+-6 *+ / ,.-6 L) ,2 /+ 7*6 #,-= <.=2 . 0. 6, .+< 5.*+0$ -,5/- Y5-/5.G ?. ,<2 .88/-<*+? / 7, (AB .+8, /-2 0/-25/ * *8. 5$-5/6,6 Y 4.6 8$--,+ *+ /+</+ 7. 7, *+? 7.<3,,+ *+ 6$87 .6 . , /0 -.3*< #*/ ,+8, 47* , 4. M*+? *+ 7, .-<,+6 /0 |8MO *+?7.1 /$6,2 *. 7*6 M,,5,-6 7.< 3,,+2 8/15, ,< / <-.? 7*1 *+ / 7, . .8, 3= 0/-8, 0

6 1+< 1$8 * .00,8 ,<2 3$ 3*6 .+*1. 0$+8*/+6 +/ <,-.+?,<L

+ 3*6<.=2 3,9W72 /N4-*,6 / /-< 0-,=Y 7, *+?*6.6* .6*+ 7,4/-61/1,+6 /0 9:;; 7*+M ! 7*62.+< 7,3$,*+2*+<,,<2 </,6 +/ <,+= *2 P& 7a C=,6,-<.=2.+< P C /E.= '/1, .-, /0 /5*+*/+ 7. 7*6<*66/$*/+*6 8,-.*+ .+< +,.-I 3$ 7/$?7 7*6*6 7, ?,+,-. 3,*,02 </ +/ M+/4 7. * *6 6/4, ?-/$+<,< .6 7. /0 7*6<,-.+?,G 1,+ L0

/- 4/<.=6 7*6 *0,4.6*+<.+?,- + 7,9 7 /- 9 72L 4-*,6 /-< &.1,63$-=2 7, *+?2.0,-7.#*+? .M,+8/<3=-,1.*+*+?*+4,8/7,6 /+?,-7.+67/$< 3,2 7.<6=15/16 /0 ?/$,8/$</+ . ,*</+ 7, Q$,,+6 3*-7<.=2 7/$?7 7,.55,.-,<*+ 7, ,#,+*+?. .+ 66,13=. 7,Q$,,+6 /$6, ,4.6 //.1, /4.M 4*7/$ .8.+,2.+< 7*6 1.++,-6 -$8M 1, .6 6/$+6. .+<*+8/7,-,+ 7. 8/$</+/7,5-,1.-M*+?**/ /-< ,7.12 47/2 7, +,N <.=2 0/- 4,+.4.= ,.-=2 /< 1, 7. 7, 7.<2*+8/+6,@$,+8, /0 1=-,1.-M2. ,+<,< /* 2.+< 7. *4.6 //5.*+ 7, *+?4.63,?++*+? /3, $+4, /-< ,7.12 47/5.=,< 7. ,#,+*+?2 4* 7 7, Q$,,+2.<<,< 7. 7,-.+N*, =4.6 1.+*0,62 6*+8, 67, +,#,-M,5 7,-,=,6 /00 7, *+?<$-*+? 7,47/ , *1, 7,5.-=.6,<LT P

+ 7,9K72 47,+ 7, '5,.M,-8. ,<$5/+ 7, -*1, &*+*6,-2 7,0/$+< 7, (.3*+,6* *+?.+< 7, 57=6*8*.+6 ?/*+? *+ / 7, -//12L .+< 8/+6,@$,+ =4.6 $+.3, / /3.*+ .+=.88$-., *+0/-1.*/+*+-,?.-< / 7, *+?6 8/+<**/+ + 7,0/ /4*+?<*=2 7/4,#,-2 /+ 7, -*1, &*+*6,-6 .$ 7/-*=2 7, -,5/-6.6 0/ /46 Y 7 EY'.4 &- <<*+? /+0/- 7, 0*-6 *1, 6*+8, 7, *+?6 * +,66

I (./ (%:),#-,"B# "*.",#'<(%'"'+'U
-' *.% 8##,%%3# ,;(."*%#(0 (>'<(%'""'+'UL!
S' (./ *%;,#68.73# "*.",#'<(%'"<'+'

&/6'0/-$+.,'*'4.60/-'7,' B+?050$$-,'8/10/-'.+<
7.55*+,66'7.'7,'-.*,<0-/1'**61.<=6/6//+'.67,'
<*<2*+.61$87'.62 7.<*'.6,<3$'.'67/-'*1,'/+?,-2.'
,?,+8=2.6'*'*+*1.,</'/-<&.1,63$-=21$6'
+,#.3='7.#,'3,,+'.55/*+,<'+'1='/36,-#*+?2L'
4-*,6'7,'.,-2'7.'7,'-*+8,'/0'F.,67.<.66,-,<
7.'*' '.6'6,#,-.'1/+762'*'6.*<2Y

I R'P 7='4*67'4.60** *,-2 /--=2 /'7.'7/$?7 CR'

?.*+2'*'4-*,6'/'/-<&,#*,Y' '7,'.88/$+6'
47*87'7.#,-,.87,<(.-/+'/$6,Y/-'.,.62',' '
/47*87'7.#,'8/1,'00-/1'7,+8,Y7.#,'$+*0/-1='
-,5-,6,+,<7,'*+?05 6.,'.6'4/-6,'7.+'*+'-$7'*'7.6'
3,,+2'.+<8.++/'3,'-,.6/+,<$5/+'4*7/$'?-,.'./4G
.+8,LT' ' ' '

,#,-7,,662'7,'*+?05 7,.72D+/4*76.+<*+?'7,'
5-/?+/6*8.*/+6'/0'(.-/+'/$6,2 8/+*+$,<?-.<$.='/'
.1,+<'' '/6.*60.8/-=2'*+<,,<2 4.6'7,'5-/?-,66'47*87'
7,'1.<,2 7.'/+'7,'':7'/0'0C,3-$.-='7,'57=6*8*.+6'
4,-,',+.3,</'*+*1.,'/'7,'(.3*+,2 7.2 7/$?7'*'
4.6'6*'.<#*6.3,'7.'7*6'&.B,6='67/$<.#/*<0.*?$*+?'
.-?$1,+6'.+<<*68$66*/+62=,'7,'4.65,-0,8='8/15,,+'
/'5,-0/-1'.+='.8'/0'?/#,-+1,+'2' 7,'6.1,'<.=2+/'
/+='4.6'.'1$87'1/-,'0.#/$-.3,'3$,*+'*66$,<2 3$'7.5G
5*=2/+'7,' 7'/0'7,'0/ /4*+?'1/+72 7,' *+?2'/'7,'
?-,,'6.*60.8*/+'/0'7*6'6$3B,8 62 4.6'4,',+/$?7'/'3,'
<-*#,+'4*7'7,'Q$,,+'.+<-*+8,66,6'7-/$?7'7,'5-*+G
8*5.'6-,,6'/0'/+</+'.+<F,61*+6,-'[
'4.66//+'.0,-'7,'*+?'7.<3,,+'<,8.-,<'/'3,'8/+G
#.,68,+2 3$',#*<,+='47*,'7*6'1*+<4.66*'*+'.+'
,+0,,3,<6.,2 7.2/+'/-<'</+'5.=*+?'7*1'.'#*6*'.'
$8M*+?7.1'/$6,27,'//M0-/1'.'<-.4,-'.'4.87'.+<

(./'*%;,#68.73#"*.",#'<(%'"<'+'
0'*.%'-*1)(+,B#"0,'(0'"--B<(%'"<'+'U'
5'(./'(%:),#-,.3#"*"B":#'<(%'"'+'U U
Z'118*%',2"#-,.'0(.'U'++'(./'(%:),#-,.3#"*.",#'<1%'"'+'L 9

$5 / ,.#,+ .+< .+/ 7,- 0*?$-, /0 A$6 *8, 4* 7/$.
3.+<.?, /#,- * 6 ,=,6 7, 1/ /C4.6Y2 1 C
" *6* +,66,6 6.*< 7, *+? / /-< </+ . 7*6
*1,7.< . ,.6 7.< /+, ?//< ,*00,8 Y 7. /0 ,+.3 *+?
7*1 / <*6 *+?$*67 7, <*00,-,+8, 3, 4,,+ 7*6 -,. .+< 5-,G
,+<,< 0-*,+<6 0
+ 7, 1,.+ *1,7 7, .66,13 *+? /0 .- *. 1E7 /+ 7,
96 /0 ,3-$.-=7 7.< 3,,+ 7, 6*?+. 0/- 5.- = 7/6 * * *,6
/ -,8/1 1,+8,7 .+< 0/- 5.- = .+*1/6* *,6 / -, $-+ 4* 7
.$?1,+ ,< 3* ,-+,66 /- 6/1, *1, 5.6 /N .+< 7,
-,+#* ,6 7.< .?-,,< $5/+ . 6=6 ,1 /0 7/6 * , /5,-.G
*/+67 47*87 -,@$*-,< /+ = 7, 8/0/5,-. */+ /0 * / /
-,+<,- 7, 65,,<= .++*7* . */+ /0 7, <<*+? /+ <1*G
+*6 -. */+ .+ *+,#* .3 , 8/+6,@$,+8, Z * E 7/4,#,-2
47,+ 6/$+<,<L 3= 7,1 7.< +/ /+ = <,8 *+,< / $+* ,
*+ .+= /-?.+*6,< /55/6* */+7 3$ 1.+*0,6 ,< 6/ * , ,.?,-G
+,66 / .M, .+= 5.- *+ 7, /+6 .$?7 7. * 4.6 +/
* 1.+= <.=6 .0 ,- .-*.1,+ 7.< -,.66,13 ,< 7.
7, 1.<, 7*6 .55,.-.+8, *+ 7, /$6, /0 (/1 1/+6
8.1, 4* 7 1= 0.1* = / /4+ /+ 7, ; 7 /0 ,3-$.-=2L
4-* ,6 /-< &. 1,63$-=I 0/$+< 7, 65*-* /0 5.- =
#,-= 7*?7 3$ * , " 2 ,#,-7, ,662 7, 4.6
$+@$,6 */+.3 = 5-,5.-*+? 0/- . 4.- / 7, M+*0, 4* 7
7, 8/15.+*/+ /0 7*6 =/$ 7 * M,,56 . //02L 4-* ,6
/N / /-< / .+< /+ 7,9 7 /0 &.-87I 3$ 1*66,6
0,4 /55/- $+* *,6 /0 ,N5/6*+? 7, 5-,6,+ 1,+ .+< 4* 2
 .1 / <2 3, *+8 *+,< 1/-, .+< 1/-, / <*#*<, 0/- .+=
1,.6$-, .?.*+6 7,1 I 3$. 7*6 *6 #,-= $+8,- .*+ L
/ /N 5,-6/+. =2 <<*+? /+ . 7*6 *1, 6,,16 / 7.#,
?-/4+ 68.-8, = ,66 /3+/N*/$6 7.+ 7, 7.< 3,8/1, /
* 0 7, .1*.3 , &*+*6 ,- 47/1 7, 7.< 6/ . , =
.+< 6/ 4.-1 = 6$55/- ,<2 4, +/4 0*+< 7*1 65,.M*+? 4* 7

I =*##3 *0(((0 (./ %/(1 K(%*+ U U L - 6*/ $(%*+ U
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 ,1*(.*\i%+ (0 (>< (%**+ U

$+,@$*#/8.' 8/+ ,15 ' /' /-< -,=' 7,' 4-* ,6 ' /+' 7,' 9W 7' /0' &?2-87Y ') /$' 4* ' 5,-8,*#,' 7. ' 7,' /8 /-' *6' 1$87' 4,.M,-' *+' +$13,-6' 7.+' /+,' 8/$ < 7.#,' *1.?*+,<I 3$' * ' //M6' .6' *0' 7*6' 4.6' +/ ' 6/' 1$87' /4*+?' /' /$-' 6 -,+? 7?.6' /' 65,8$. */+6' .1/+?' 7,*-'0-*,+<6' 8/+8,-+*+?' 7,' *+?2.+< * 06' .13*?$/$6' 6* $. */+' /4,#,-2*'7.6' 7*6' ?//< ,00,8 YE7.3*' 1.M,6' 7*12' 7,' /8 /-2' 1/-,' .+< 1/-,' 8/+ ,1+,< ,#,-=' <.=I *+<,,< 7,' 8/+ ,15 2' 3/' 7' 4* 7' -,65,8' /' 7,' <,?-,,' .+< $+*#,-6. * =' /0'* 2'*6' 3,=/+< 47.' 4.6' ,#,-' M+/4+L' ?.*+2' /N' 4-* ,6' /' /-< .$<,-<. ,' /+' 7,' W 7' /0' &.-87Y ' 7,' /8 /-' 7.6' ,NG 8,,<,<2'*0'5/66*3 ,2. ' 7*6'0/-1,-' *,6'*+' 47.' 7,' 6.*< .3/$' 7,' $66*.+' 3$6*+,662' * ' *62' ' /4+2.+' *?+/3 ,' 87.6,2' 3$' ' 67/$ < 7.#,' ?-,. ' 5 ,.6$-,' *+' 7$+ *+?' </4+' 7*6'*?+/3 ,' 0, /4L'0' /' 7*6'/ 7,-'8/--,65/+<,+6' /N' *6'+/' ,66' .#*67' /0' 8/+ ,15 $/$6' ,N5-,66*/+6' 47,+' 65,.M*+?' /0' <<*+? /+' .+< 7*6' 8/ ,.?$,6' /' -,=' 7,' 4-* ,6' /+' 7,' +< /0' 5-* Y ' -,. =' 7*+M' 7,' +,N' 6*N' 4,,M6' 1$6' 3-*+?' 1. ,-6' /' .' 8-*6*6' 3/ 7' 4* 7' -,65,8' /' 7,' *+?2.+< /' 7,' ?, *+?' -*< /0' 7,6,' -.68. 6LA' +< .?.*+' 7,' 4-* ,6' /+' 7,' 9 7Y ,' $6' 0*-6' ?,' -*< /0' 7,' /8 /-' *6' 1=' 0*-6' 5-*+8*5 ,' /0' .8*/+2*+' 47*87' ' -,8M/+' =/$' .6' 8/+8$-G -*+?' 4* 7' 1,' .6' 1$87' .6' .+=' /+,L[ ) ,' +/' /+ =' 7.< +/' #,-=' /+?' *1,' , .56,< 6*+8,' /N' 7.< 5-/5/6,< /' 8/. ,68,' 4* 7' <<*+? /+2E' 3$' 4* 7*+' 4/' =,.-6' 7,' 4* ' 3,' 0/$+< 6* *+?' .6' .' 1,13,-' /0' 7,' 6.1,' (.3*+,' 4* 7' 7,' '#* ,' 0, /4'L' 47/1' 7,' 4.6'+/4' 6/' <, ,-1*+,< $5/+' 7$+ *+?' </4+

7,' 6+,,-6' .+< *+#,8*#,6' 47*87' 44,' 7,.5,< 3=' /N' $5/+' <<*+? /+' .+< 7*6' '-.68. =' &*+*6 -=2L' 7,' .#*67,< +/' ,66' $+65.-*+? =' $5/+' * ' /-' *+6 .+8,2*+' .' , ,-' /' * >5. -*8M2<. ,< 7,' +< /0' 7,' 5-,8,<*+?' 1/+ 7' /0

I' *<% 8##,%%B# , ; (."*%#(0 (>'<(%'"<'++' U9 L
-' 6"/ '<(%'"<'+' ! '? '*%#('<(%'"""'++' UU' UL
a' 6"/ '<(%'"""'+'UL '),'/*-,'(0'-)"# "(--,.' "# ,<"/,1-%7' ;"#+."1-,/' 828#-'0(.'
+."%' Z 6"/ '<(%'"""'+'U !' R 6"/ '<(%'"""'+'U!!

,8,13,* 2 7,' 65,.M6' /0' **6' ?-,.'-*#.' .6' .' 1,.+' -.68.' .0 ,-' . IL' .+<' .?.*+' 7,' 4-* ,6' /' --,=' *+' 7,' 0/ /4*+?' 1/+ 7' /0' &.-87 Y 6' /' * 2' 7*+M' =/$' 1$6'0/-1' 7,' 6.1,' 8/+8 $6*/+' 0-/1' 7,' $87,66G6 5.5,-' 7.' ' </' ,' *6' .' 1,.+2 /401*+<,<' </?L') /$' 7*+M2L\#-* ,6' /N' /' /-<' .$<,-<. ,' /+' 7,' 7' /0' 5-* 2' 7.' 7,' (/$-' 8.++/'+/4' 7,' 0/-8,<' ,1,13,-20.' '7.#,' 6.*<' *6' 7.' 7,-,' *6' .' ' 7.' *' +}.=' * 06' $,-' *+8.5.8* =' /' .8' *M,' .' 1.+' -,+<,-6' 7.' 87.+8,' 1$87' ,66' 7.+' *' 4/$ <' / 7,-4*6,' 3, L0' '), ' /N' .+<' * ' .' *+6' *1,' 4,-,' +/' /+ =' ,+?.?,<' *+' 7,' 6.1,' 8.$6,I'3$' 4,-,' .8 $. =' .?-,,<' /+' 1/6' /0' 7,' *15/-.+' 5/**8.' @$,6*/+6' /0' 7,' <.=2 .+<' 4,-,' ,#,+' E5-,5.-,<.' 7,' ,.-*,6' /55/-$+* =' /' .88,5' .+<' 7/ <' /00*8,' /?, 7,-

7.' /N2 47,+' 7,' ?.#,' #,+' /' 7,' 0/-,?/*+?' .$+ 62' .3/$-,<' $+<,-' .' 6-/+?' *15-,66*/+' 7. * ' 4.6' .8*+?' .' 6, 0*672' *0' +/' .' A,6$* *8. 5.-2 7,-`' 6,,16' ?//<-,.6/+' /' 3, *,#,' /-' *+6 .+8,2 . $<*+?' /' 7,' P5-/65,8' /0' ' 7,' 65,,<=' <*68/10* $-,' /0' 7,' /8/-2L' 7,' 4-* ,6' /' -,=' /+' 7,' 9: 7' /0' 5-* Y ' ' * '5 .=6' 0.*-2 4,' 67.' -$+' 7*1' #,-=' 7.-<' *+<,,<' /+' 1=' 1/*/+22.+<' *+' /+,' /-' 4/' 1/-,' ?*#,' 7*1' 7*6'<,. 703/42 $+ ,66' *,'-$+6'.4.=' 0*-62L' +<' *+' 7,' 6.1,' , ,-' /N'.<<6Y ' '7.#,'+/'4-* ,+'*+=' '*+' ?-,.' , ,-6' 0/-' +/ 7*+?I' .+<'=,' ' -.7,-' 7*+M' * ' 4* ' 3,' -*?7 ' 6' =/$' .-,' 6/' 0.-' /002 ' 1.=' , '=/$'*+ /' 7,' 6,8-,' 7.' 1=' 1/*/+' 1.=' 5-/3.3 =2 .' * 06' ,.-+,6' -,@$,6 2' 0/-' -,.6/+6' 0//*67' .+<' 0.+8*0$' 3,=/+<' 3, *,02 7,' 5$' /00' * ' &/+<.=2 6/' 7.2 *0' =/$' <*<' 7*+M' /0' 8/1*+?2 =/$' 4/$ <' +/' 3,' //' . ,' D ' *6' *15/66*3 ,' +/' /'6$65,8' * '0-/1' 7*6' 4.=6' /0' 5-/8,,<*+?2 .+<'=,' 7*6' *+ ,-,6' *6' 6/' ,#*<,+' 7.' ' 7*+M' 7,' 4* ''</'-*?7 L'A' &.+*0,6 =2 *' 4.6' 1/-,' 7.+' 6$65,8 ,<' 3=' /N' .+<' 7*6' 0-*,+<6' 7.' * 06' 1/*#,' *+' 5 .=*+?' .+' *6/ . ,<' 5.-' *+' 7,' 5-/8,,<*+?6' .?.*+6

&*+*6 ,-6 4.6 /' ' , ' 7,' /8 /-' 0. 'L' .6 *0 3=' 7,'7.+<6
/0 / 7,-6 f 7$6 .#/*<*+?' 7,' /00,+8,' 47*87 7,' 1$6 ' / 7,-G
4*6,'7.#,' ?*#,+' /' 7,' *+?' 3=' 8/13*+*+?' *+' /5,+' /55/G
6* */+' 4* 7 /N .+< 61// 7*+?' 7,' 4.=' 0/-' 7,' -, $-+'
/0 7,' . ,-' /' 5/4,- ' ' * 7/4,#,-.6 4* ' 7,' 5-,G
6,+ =' 5,-8,*#,<. 4.6 $+@$,6 */+.3 =' 3,7.#*+?' 4* 7 7,'
1/6 ' 5,-0,8 ' 6*+8,-* =' ' 4.6 -$,. *+<,,<. 7. ' 7,'
<,8 *+,< ,+ ,-*+?' *+ /' .+' /-?.+*6,< . *.+8,' 4* 7 /N'
.+< 7,' -,+#* ,6 3$ ' 7,' 6$36,@$,+ ' 3 /46 47*87 7,'
<,. ' . ' 7,' <1*+*6 -. */+' 5-/#,< +/ ' 7,' ,66 0/-1*<.3 ,'
7. ' 7,=. 4,-,'<,. ' 6*+? ,07.+<,<
' 7,' 1/ */+. -,0,--,< /' 3=' /N *+' 7,' 0/-,?/*+?'5.-.G
?-.57. 4.6 0/- 7,'.55/*+ 1 ,+ '/0 .' (/+$1 ,,'/0 7,'47/ ,'
/$6,' /0 (/11/+6. /' -,#*6,' 7,' 1*+*6 ,-*. ' * 6 0/-' 7,'
<,0,+8,' /00 7,' 8/$+ -=-0.' 1 / */+2 *0 1.=' ,' 1,+ */+,<.
.+ .1/$+ 2 /' 1/#*+?' 0/-' .'#/ ,' /0 4.+ ' /0 8/+0*<,+8,'*+'
&*+*6 ,-6 ' ?-,,.3 =' 4* 7 * 06 4*67a6. 47*87 /0 8/$-6,'
-,8,*#,< ,#,-=' 8/+6*<,-. */+' . ' /N06 7.+<6. 7,' . ,-' 8/+G
6,+ ,< /C5/6 5/+,' * ' ' /'0 &/+<.=. 7,'0 -< /00 5-* .
/+' 47*87 <.=' * ' +/ ' /+ =. 65/M,' .?.*+6 ' &*+*6 ,-6.
7$. *+' 7,0 3* ,-,6 ' .+< 1/6 ' 6.-8.6 *8 ,-16. *+#,*?7,<
.?.*+6 ' 7,' 1.++,-' *+' 47*87 7,' 3$6*+,66 /0 7,' +. */+'
7.< 3,,+' 8/+<$8 ,< 3=' 7,1 ' ' 8.--=*+?' 7*6 <,+$+G
8*. */+6 /' 6$87 ,+? 76 .6 /' *+6*6 ' 7. ' 7,'6. #. */+' /0
7,' 8/$+ -=. *+'6$87 5a-* /$6 *1,6. <,5,+<,< $5/+' 7,*-'
1 1,<. ,'-,1/#. .0-/+* 5/4,- . 7,'<,3. ,' ,-1*+. ,<
3=' &*+*6 ,-6 /3 .*+*+?' .' 1.B/-* =' /0 0*0 =0 4/Y .'+$13,-'
47*87 *+' 7/6,'<.=6 4.6 -,?.-<,< .6 . 1/6 ' ,@$*#. ,+' /'
.' <,0,. A' 4/' <.=6 .0 ,-4.-<60. /+' 7`' W 7 /0 5-* .

I' *.% 8##,%%B# , ; (."*%# (0 (>'<(%'"""'+' UL
-' (.1,.' =)('%"#-,1,/'-(' "--'(1'-)"# (::*#"(1'=."-,#-(')"#0*-),.'(1'-),'0(%%\N="12
/*7?4C "--'2*<,'8#6(-)'#86#-*1:,' *1/' ; *11,.'*# *' /,6*-,.'(0'-),')"2),#-'+(=,.#'
8#-',>+%":"-' "1')"# /,:%*.*-"(1'*2*"1#-' "1"#-,.#' =)":)'),' /,%"<,.,/')(=,<(. *# "0
-'%#- *0-,.' ; 8:)' :(1#"/,.*-"(1'*1/'.,%8:-*1:,'? 68-'),',10(.:,/' "-' ="-)'*' 2((/' /,*%
(0'<,%", ; ,1-' /,,%* ; *-"(1' "1')"# =*7'*1/'#(; ,'-(8:),# (0'-)*-' 6"--,.'0.,,V"12 #*.G
:*# ;' =)":%.' ,<,.76(/7 *2.,,# "#)"# ; (#-' (."2"1*% -*%,1-'*1/'*++,*.# "1/,,/' ; (#-'
1*-8.*%B-(')" ; ; / ' ' ' '# '<(%'"'+' U
"'),'18 ; 6,.# =,.,' L '-(' U

* 2 *+ .+/ 7,- , /@$,+ 65,,872 /55/6,< 7, /-<,- /0 7, <.B 0/- ?/*+?* *+ / (/11* ,, /+ . /#,-+1,+ * 0/- 7,06$65,+6*/+ /0 7` -1= /0 ,6,-#, 8 I 7, -,6$ 3,*+?7. 7, 0/-1,- 1*+*6 ,-*. 1.B/-* = /00*0 =0 4/ 4.6 -,<$8,< / /+ = 7*- =06,#,+

7. 2 . 7*6 5,-*/<2 7, +,8,66* *,6 /0 7, ' . , -,@$*-,< 1,+ /0 . 5.- *,6 /3$= 7,*- 5/ * *8. 0,$<6 *+ /37#*/+2 .+< / $+* , *+ 8,1,+ *+?.+ 7.-1/+*/$6 .+< #*?/-/$6 <1*+*6 -. */+2 4.6 .5-*+8*5 ,47*872 4.6 5-, =?,+,-. = 8/+8,<,< ,#,- 7, ,662 .6 -,?.-<,< 7, 8/+ *+?,+8= /0 . 8/. * */+ 3, 4,,+ * .+< /N2 6/ 4*<, =2 *+ 0/-1,- <.=62 7.< 7,6, 4/ 8, ,3-. ,< 6 . ,61,+ <*00,-,< /+ 1.+= #* . @$,6 */+6 -, . *+? / 7, (/+6 * $ */+ .+< / 7, ?/#,-+G 1,+ /0 7, 8/$+ -=2 .+< 1/-,/#,-6/ 5,-6/+. =A** ,- 7.< 3,f{. 7,*- 5/ * *8. 8/+ ,+ */+62 7. E @-, 4,**. *BB.+= 5,-6/+62 0/-,1/6 .1/+? 47/1 4.6 7, *+?2E475 .+ *8*0 5. ,<6$872 . 8/. * */+ 4* 7 6*+?$.-E2<*60.#/$-P.+<R<*6 -$6 7,-, .-, 1.+= /0 1= 0-*,+<62L 4-^ ,6 -6M1,2 4 */0 65,.M 4* 7 ?-,. 8/15 .8,+8= /0 . 8/. * */+ 4B2 7 * I 3$ 7. 1 5,-6$.<,< 8.+ +,#,- 7.55,+E C /N08c$ < +/ 2 *07, 4,-, <*65/6,< / * 28.--=6$872 . <*6?$6 *+? 1,.OPC 6$-, 4* 7 7*6 /4+ 0-*,+<6 F * 7 1, 7, 8,- .*+ = 8/$ < +/E2 +/- 4* 7 1.+= 1/-, 47/1 8/$ < +.1, L 0 7$6 . 6/ /-< (/87,6 ,- *+6,- 6 *+ 7*6 <*.-= /+ 7, K 7 /0 &.=Y , ,+,-. <*66. *60.8 */+ .1/+?6 &- * 0600-*,+<62 .+< 7, 5$3 *8 *+ ?,+,-. 2 . 7, *<, . /07*6 0/-1*+? .B/*+ <1*G +*6 -. */+ 4* 7 &- /N L2 7,-, 4.6 ,#*<,+ = *+ 5-/G ?-,66 Y /36,-#,< 7, /-+,=0 ,+,-. 2 '5,+8,- ,-8,#. 2 *+ 7, /$6, /0 (/11/+6 <$-*+?7, 6 /-1= <,3. , /0 7, -< /0 5-* Y . 1/6 ,N -./-<*+.-= 8/. * */+ .?.*+6 &*+*6 ,-6 +, ?,+ ,1.+2 &- /N2 7.< .55-/#,< /0 7, ,.8, /0 1*,+6 /4 7/6, 4/ ?,+ ,1,+2 &- /N .+< &- * 2 47,+ 6,. ,< /?, 7,- . 7, 8/$+8* 0 .3 ,

[U -(! - ,%%, = 3# "0,' (0 (./ "/ ; (8-) <(% "" + L (./ (%(,*-,.B# "*.",# <(% " + L L

4/$ < 3,' .3 ,' /' -,8/+8* ,' 7,*-' 8/+0 *8 *+?0' /5*+*/+62' 4.6'
3,=/+<' 7*6' 8/ 15-,7,+6*/+' F 7. ' 5/ *8=2' 7,+2' 7,' .6M,<2'
8/$ < 3,' 1/-,' -.67' 7.+' /' .<#*6,' 7,' ' /#,-,*?+' /' <*61*66'
7*6' 5-,6,+' &*+*6 ,-6' 4* 7/$ ' 7,' /$6,' 3,*+?' *+' 5/66,6G
6*/+' /0' .+=' 5-,#*/$6' M+/ 4 ,<?,' 47/' 4 ,-,' *M, =' /' 3,'
7,*-' 6$88,66/-6S' &-' /N' 4/$ < 5-/3.3 =' .<#/8. ,' .'
5,.8,' 4* 7' -.+8,I' 3$ ' 4.6' * ' ,@$. = 5-/3.3 ,' 7. '
6$87' .' 1,.6$-,' 4/$ < 3,' .88,5 .3 ,' /' &-' F*+<7.12'
/-' /' / 7,-6' 47/' ,+ ,- .*+,< 7,' 6.1,' /5*+*/+6' .6' &-'
F*+<7.1'S &/-,/#,-2' 4.6' * ' 5/66*3 ,' /' *1.?*+,' .' 1/-,'
$++. $-. ' . *.+8,' 7.+' 7. ' 47*87' 4.6' 6.*< /' 3,' /+' 7,'
,#,' /0' 8/+6$11. */+' 3, 4,,+' &-' * ' .+< 0&E' /NS'
F.6' * ' 5/66*3 ,2' .-?$,< 7,' 0 /-+,=0 ,+,-. 2' 7. ' &-'
2 /N2' 47/' 7.< 6/' /0 ,*0' .--.*?+,< 7,' /#,-+1,+' /0'
2 &-' * ' .6++<5+6 * $ */+. ' .+< =-.++*8. 267/$ <E/. ,68,'
4* 7' 7$+' 4* 7' .+= 7*+?' *M,' 8/-<*. * =' .+< 8/15 , ,'
.88/-<SDD'$-, =0 7,=' Q/$ < +/ ' $+* ,' 7,*-' 0/-8,6' 4* 7/$ '
/66' /0'87.-.8 ,-2' +/ *' 6* ' . ' 7,' 6.1,' 8/$+8 0 .3 ,' 4* 7/$ '
' 5-.8 *6*+?' .' <*66*1$. */+' 47*87' 4/$ <] 3,' <,?-.<*+?' /'
3/ 7S ' ' '
' DD '$87Y 4* 3' -,0,-,+8,' /' 7,' 6$65,8 ,< ?//< $+<,-6 .+<G
*+?' 3, 4,,+' * ' .+< /NY 4.6' 7,' .+?$.?, 1.<,' $6,' /0'
3/ 7' *+' .+< /$ ' /0' .- *. 1 ,+ I .+?$.?,2' +/' </$3 26$00*G
8*,+ =' $+5. . .3 ,' /' * I 47/27/4,#,-27.<8/15-/1*6,<
7*16, 0' //' <,,5 =' /' .<1* ' /0' 7*6' -, -,. *+?2',#,+' *0' -, -,. '
7.< 3,,+',* 7,-' 7*6' 5/ *8=' /-' 7*6' 4*67 ' /-' *+6 .+8,27,' 7.<
8.$6,< * ' /' 3,' <*6 *+8 =',N5 .*+,< /' /N2' 7. ' *+' 7,',#,+'
/0' 7,' /#,- 7-/4' /0' 7,' 5-,6,+' /#,-+1,+2' .+< 7,' *+?'
8/+6,@$,+ =' 8. *+?' $5/+' 7*1' /' 0-.1,' .+' <1*+*6 -.G
/+2' 7,' 67/$ < ? .< =' .#. ' 7*16, 0' /0' /N06' ?-,. '
.3* * *,6I' .<<*+?2' 7/4,#,-2' 7. ' 67/$ < 7,' *+?06' -,G
5$?+.+8,' /' .<1* ' /N' *+ /' 7,' (.3*+,' 5-/#,' /' 3,'
+6$-1/$+ .3 ,2' 7,' 67/$ < 8/+6<,-' * ' 7*6' <$ =' /' 3/4

/ 7,-/=. 5 ,.6$-, -/1 #.-*/$6 8/+6*<,-. */+6LY 4-* ,6 * / /-< &, #* ,/+ 7, 7 &.-87Y .+<6 * 1/-,0-/1 7*6 .6 * +,66 0,, 7. .5-/5/6. / .M, *+ /.67.-,*+ 7*6 8/$+8* 6 5,-6/+6 .?.*+6 47/1 7,*.6 /+? ,+ ,- .*+,<6$87 6 -/+? .+<+. 10. /3B,8 */+6 /$?7 +,#,- /7,1.<, /7*1 7$ *+6$87 .1.++,-.6 / ,.#, 7*1 .0-,, /5 */+ .+< /8/+#*+8, 7*1 7. *0 7,8.++/ 3, 6*+8,-, =8/+#*+8,</0* 6 ,N5,<*,+8= 7,-,*6+/ .4*67 /0/-8, * $5/+ 7*1 L0 7,6, ,-16B * 67/$ < 7,75-+@ *+ 1*+< 7.< +/ /+ =3,,+8 ,.- =8/15-,7,+<,<3= /N 3$ 7,7.< .6/87,,-0$ =.8@E$*,68,<*+ 7,1 7*6 4.6 5,-0,8 =$+<,-6 //<3= /N6/ /+? .?/.6 &.-87L 4-* ,6 /-< &. 1,63$-= 7 .+<7,4.6 5,-0,8 =6. *60*,<4* 7* f .+<* 4.6 4* 7 7*6 8/+#*8 */+ /+ 7*6 1*+< 7. 7,7,8/+G *+$,<x/.8 4* 7 * .+< 7, -,+#* ,6 *+ 7,*-,+<,.G #/$-6 / /#,-6, <E+? /+6 /#,-+1,+ LT &/-,/#,- /-< &. 1,63$-=06 #*,4 /0 7,-, .*#,5/6* */+6 *+ 47*87 * .+< /N6//< /4.-<6 ,.87 /7,-. 7*6 <*00*8$.+< <,*8. ,8-*6*62 *6 0$ =8/--/3/-. ,<3= * 7*16,0 / /-< &, #* ,7,4-* ,6 *+ &.-87 7. /N06 . .8M6 /+2 <<*+? /+6 &*+*6 -=.-,<,. $+<,- 7,0$ M+/4 ,<?, 7. *0 7,R-,6$ 5-/<$8,6 7,-,1/#. /0 7,5-,6,+ /#,-+1,+ 27,J * V 7/ <6 7*16,0. 0$ *3,-= /0/-1 .+,4 /+,2 4* 7/$ -,0,-,+8, /7*1 L[+7,1,.+ *1,2 <<*+? /+2 ,#,+5-,#*/$6 = /7, 4/*15/- .+ <,3. ,6 47*87 7.< .M,+5 .8,*+ 7, /$6, /0 (/11/+6 /+ 7, -< .+< W7 /0 5-* 27.< 8 ,.- =2 0, 7/4.36/ $, =+,8,66.-=* 4.6 0/-7*1 ,*7,- /-,8-$* 7*6 0/-8,62 /- , 6, /5-,5.-, 7*16,0 0/- .+ ,.- =-, -,. 88/-<*+? =2 /+ /- .3/$ 7, 9K7 /0 5-* 2 7,6,+ . 1,66.?, / * *+@$*-*+? 47,7,- 7, 7.< .+= /3B,8 */+

/ 6 . ,2 *-/**? * *,' 1 ,<*$1' /0' .' 8/11*/+' 0-*,+<2 **6 /5*+*/+6 /+' 7,' 5-,6,+' 8/+<* */+' /0' 5/ * *862 .+<' 7,' 3,6' 1,.+6 /0' ,6 .3 *67*+?' .' 1/-,' ,00*8*,+' 1*+*6 -. */+' /0' 5$3 *8' .00.*-6' * 06 -,5 =' 4.6 6$00*8*,+ =' 7.$?7 =' ,* 7,-2 7,' 6.*<2 7-/$?7' .' 8/11/+' 0-*,+<2 +/-' /' &-' <<*+? /+' 7*16,02 +/-' 0/-' &-' <<*+? /+06 *+0/-1. */+2 4/$<' *,' 1.M,' .+=' 6$87' 8/11$+*8. */+' '7/$<' 7,' *+?' -*+M' 5-/5,-2 7-/$?7' .+=' 7*-<' .+<' $+,N8,5C*/+0' .3 ,' 5,-6/+2 /' 8/11.+<' 7*6' .<#*8,2 7,' 67/$<' 7,+' <,,1' *' ' 7*6' <$ =' /' 6 . ,' /' 6$87' 5,-6/+2 0/-' 7*6' &.B,6 =06 *+0/-1. */+2 7*6' $+-,6,-#,<' /5*+*/+' .6' /' 7,' 6 ,56' 47*87' /$?7' /' 3,' .M,+' 0/-' 7,' ,6 .3 *671,+' /0' .' +,4' -/#,-+0' 1,+ L' ' 7*6' , ,-2 *' .55,.-62 4.6' .*<' 3=' <<*+? /+' 3,0/-,' 7,' *+?

7,' 5,-6/+' 47/2 4* 7' 7`' *+?06 .55-/#. 2 4.6' 6, ,8 ,<' /' /5,+' .' 5-, *1*+.-=' 8/11$+*8. */+' 4* 7' * ' 4.6' 7,' /-<' (7.+8, /-' </+2 7-/$?7' 47/1' * ' -.+6G 1* ,<' .' , ,-' /' 7*6' &.B,6 =2 *+' 47*87' 7,' ,N5-,66,<' 7*6' $+.3. ,<' <*6 -$6' *+' 7,' .3* * =' /0' *,' 5-,6,+' (.3*+, 2 .+<' ,65,8*. =' /0' ' 7,' 5,-6/+' +/4' 7/ <*+?' 7,' 87*,0' 5 .8,' *+' * 2L' /' 8.--=' /+' 7,' 0/#,-+1,+ 4* 7' 8/15, ,+' 4*6<' 1' .+<' #*?/$-' f . ' 7,' 6.1,' *1,' -,65,8 0$ =' *+ *1. *+?' 7*6' *+ ,+ */+' /0' 67.5*+?' 7*6' .- *. 1,+ .-=' 8/+<$8' *+' .88/-<G .+8,' 4* 7' 7*6' ,6 *1. ,' /0' 7,*-' <,1,-* 6' 7*6' , ,-' 3,.-6' <. ,' 7,' 96' /0' 5-* f' 3$' *+' 8/+6,@$,+8,' /0' -,.6/+6' 6$??,6 ,<' 3=' 7,' (7.+8, /-2 /' 47/1' * ' ,+8 /6,<' *' $+6,. ,<Y-,.6/+6' 47*87' 4,-,' 0/ =' .8@$*,68,<' *+' 3=' * Y' *' 4.6' +/' * ' 7,' : 7' 7. ' *' 4.6' .*<' 3,0/-,' 7,' *+? 0

f' ,--:' 0.(;' (./' .,1<'%%,' -(' -),' *.A8"# (0' 8:@"12%"* ; ' /*-,/' -)' +."%' U' 8:@' *+,.#$<(%' """" ' ++' U ' !U

' .-' .+ */5,06' *0,' /0' * 2' #/ ' *# ' 55,+<*N2' 5' *' 4*6606' *0,' /0' </+2' #/ ' *' 55' _ 2 __ ' /-<' & . 1,63$-=06' *.-*,62' #/ ' *# ' 5' /6,06' *.-*,62' #/ ' ** ' 5' 99 ' 7,' 8/+<$8' /0' /-<' </+' /+' **6' /88.6*/+' 7.6' 3,,+' .--.*?+,<2' 3/ 7' 3=' /-<' -/$?7.12' *+' **6' *6 /-*8.' ' M, 87,6' /0' ' .,61,+' f#/ ' ** ' 5' W92' <' 9;W;0K X' .+<' 3=' ,.+' , ,42' *+' 7*6' *0,' /0' /-<' ' *<1/$ 7' f#/ ' ** ' 5' : : X' 88/-<*+?' /' 7,' 0/-1,-Y ' ' 4.6' P1 /-,' 7.+' 6$65,8 ,<' 7. ' 7,' ?. ,6' /0' 7/' ?.--*6/+' 4 ,-,' /5,+,<' 3=' 7,' 68 */1*+?' .+<' 5/ * *8' (7.+8, /-2 47/' /+' 7*6' /88.6*/+' <*65 .=,<' 7*6' $+0' 68-$5*</$6' .+<' $+<.$+ ,<' 5/ * *8.' 8/$-.?,2 U8L' ',,2 7/4,#,-2.' , ,-'0-/1' /-<

+ 7, 1,.+ *1,2 6/ 8/15 , , =7.< 7, 6 .3** = /0 7, <1*+*6 -. */+ 3,,+ 67.M,+ 3= 7, $+0.#/$-.3 , <*#*6*/+ 47*87 //M 5 .8, *+ 7, /$6, /0 (/11/+6 /+ 7, W 72 7. /+ 7, 0/ /4*+?<.=2 7, K 7B <<*+? /+2*+ .5,-G 6/+. * *+ ,-*<,4 4* 7 7, *+?2*+ *1. ,< / 7*1 7/4 *15/66*3 , 7, 0, * * /8.--=/+ 7, ?/#,-+1,+ 0/- .1$87 /+?,- 5,-*/<2 .+< 7/4 ,N5,<*,+2 7,-,0/-,2 * * 0B#.6 7. 7, 67/$ < -, *-, 0-/1 7*6 &.B,6 =06 6,-#*8, 7, *11,G <*. , -,6$ 6 /0 <<*+? /+06 .++/$+8,1,+ / * ,* *+?1.=3, 3-*,0 =-, . ,< +7, 7 * 4.6 <,8*<,< . . (.3*+, (/$+8* 7. &*+*6 ,-6 67/$ < . /+8, ,+<,- 7,*- -,6*?+. */+6 +7, 7 /-< </+8/11$+*8. ,< / * 2 3= <<*+? /+06 <,6*-,2 7. 7, 8/+6*<,-,< 7*6 <G 1*+*6 -. */+ /3, . .+ ,+<f .+< .6 =2*+ 7, 8/$-6, /0 7. <.=2 * -,8,*#,< .#*6* 0-/1 7a (7.+8, /-2 47/ 8.1, /8/11$+*8. , /7*1 7, *+?06 <,6*-, /3, 0$-G +*67,<3=7*12 / 4* 7 .5 .+ 0/- 7, 8/+6 -$8 */+ /0 .+,4 <1*+*6 -. */+

/ 7, *+?2 47/6, 1*+< 4.6 6 * ,+0,,3 ,< 3= 7, ,0*,8 6 /0 7*6 -,8,+ 1. .<=2 7, 3-,.M*+?$5 /0 7, <G <*+? /+ &*+*6 -=4.62 0/- 1/-, -,.6/+6 7.+ /+,2 .6/$-8, /0 M,,+ <*6 -,66 +8/11/+ 4* 7 1.+= /0 7*6 6$3B,8 62 7, 7.< 0/-1,<.1$87 1/-, 0.#/$-.3 , /5*+*/+ /0 <<*+?G /+06 .3** *,6 7.+ 5,-7.56 7,= <,6,-#,< *M, 1.+= /0 7*6 6$3B,8 62 //2 7, -,?.-<,< 7, *15,+<*+?5/ **8. 5.-G +,-67*53, 4,,+ * .+< /N.63/ 7.+$++. $-. . *.+8, .+< .#,-= <.+?,-/$6 ,N5,-*1,+ &/-,/#,-2 7, *+?06 5,-6/+. 0,, *+?6 4,-, <,,5 =*+ ,-,6 ,< *+ 7, *15,+<*+?7 87.+?, ,+/ /+ =0, $+<,-?-,. /3*?. */+ /7*6 . ,

-,+#* ,/ / /-< $8M*+?7.12 /0 7,9 7 /0 5-* 2 9; _b6 &) 7 >/#/ *** 5 _ X2 .+< . 0$-7,- , ,- 0-/1 /-< (.6 ,-,+? * / /-< F , ,6 ,=2 /0 7/ 9; 7 /0 & .=2 9; _SK MC 7 /#/ *** 55 W: 0W: X2 47*87 8 ,.- = 5-/#, 7. 7, /#,- $-,6 / * , 1 .+. ,<2 1 / 0-/1 /-< </+2 7$ 0-/1 <<*+? /+ 7*1 6, 0 7, -,, 6, , 1 62L 4 -* ,6 7, . ,* *- ,/-?, ,4 *62 +/ ?-/$+< 0/- /-< 0 -/$?7.1 06 #*,4 7. 7*6 8/11$+*,. */+ 7-/$?7 /-< </+ \#.6 .+ *+ -*?$, L #L : 4? 6 /5 _ 2 "

t /-< & . 1,63$-=06 *.-*,62 #/ 2 *# 5

&*+*6 ,-0/-7.#*+?8/+6,+ ,< /.88,5 /00*8,*+9; 923$ 2
.64,7.#,6,,+27,7.<. 6/3,8/1,5,-6/+. =. .87,< /
7*1 RF*7 * 2/+ 7,8/+ -.-=27,4.6.+?-=/+.88/$+
/047.7,8/+6*<,-,<7*60.8*/$68/+<$8*+$+**+?4*7
/N.+<7, -,+#* ,6 /$-+/$ <<*+? /+I .+<2 .6 =2
7,5-/65,8 /0-,8,*#*+?3.8M2 .67*68/+0*<,+*. &*+*6 ,-
.+<5,-6/+. .<#*6,-27*6/<,+,1=.+<1.*?+,-2(7.- ,6
/N28/$<68.-8, =0.*B /88.6*/+7*12,65,8*. =*+7,
5-,6,+4,.M,+,<6. ,/07*6+,-#,62 7,?-,. ,65/66*3 ,
<*66. *60.8*/+.+<8/+8,-+ 7$62 47,+ <<*+? /+4.6
8/6, ,<4*7*7*1/+7, K7/0 5-*24,0*+<7*1,N7*3*G
+? ?-,. 1.-M6 /08/+8,-+.+<+<*?+. */++/-247,+
/-< </+4.6.<1* ,< /7*6 5-,6,+8,/+7,0/ /4*+?
<.=2 </,67,6,,1 /7.#,3,8/1,1/-,-,8/+8*,< /7,
87.+?, ,#,-7, ,66 7*6 6-/+? 6,+6,/0-, *?*/+2.+</0
7,<$*,6 47*87 7,/4,< /7*606$3B,8 62,+.3 ,<7*1. *M,
/?/#,-+7*6 ,15,-.+< /6$3<$,7*60,, *+?6 /0*+<*?+.G
/+ . *1,27,/36,-#,< /-< </+2 47,+** 7.<
5 ,.6,< -/\<<,+8, /-,8/#,-7*10-/1 7,6,#,-,.00*8*/+
4*7 47*87 7,7.<3,,+#*6* ,<2** 4/$<* 3,8/1,7*1 /
+<$?,+7.6=.+<*1B*. *,+53$ **/+6 /0.+?,- ' *
,66 B$6*0*.3 ,2 7,6.*<2 4/$<* 3,2 . 6$87 .8-*6*6 /0
+. */+.<*00*8$ =2 /. /4 7*16, 0 /3,3*.66,<3=5-*#. ,
0,, *+?6 /-5,-6/+.5-,B$<*8,6 *6 <$=2 7,.<<,_I4.6
/5-,#,+8/+0$6*/+**+7*6 </1*+*/+62.+< 7. 2<$=7,
4/$<-, *?*/$6=5,-0/-1 -/1 7. 1/1,+2L 6.*<
/-< </+2 3*6 &.B,6=+,#,-3, -.=,<7,, .67.64.66.*<4*7 7,?-,. ,6
. ,+*/+2.+<*+ 7, 1/6 5.8*<1.++,-L ,#,+
65/M,/0 * 2+/ /+=4*7/$.+*1/6*=2 3$*+ ,-16/0
8/11,+<.*/+ . 1 5,-6$.<,<2L 7,6.*<2 &- * 4*
+,#,-5,-0/-1.+= ,+?.?,1,+62 /- ,+ ,-*+ /.+=8/+G
+,N*/+2 47*87 4* 3,*+B$-*/$6 ,*7,- /7 ,-*?7 6/0 1=
6$3B,86 /- /7,-/=.5-,-/?.*#, 0,,6$-,/07*6L

+< *,' .<<,< ,157. *8. =Y ' ' . 6/' 0,,' 1=' (/-/+. */+' . 7' 6.0,' *+' 7*6' 7.+<6 L'

0' .+= 7*+?2' . ' 7*6' *1 ,2 8/$ < 7.#,' *+8-,.6,< 7,' '1?06' <*6 -,66' /0' 1*+<2' * ' 4.6' 7,' 8/+<$8' /0' 7,' -*+8,' /0' F. ,62' 47/Y. ' 7,' *+6 *?. */+2' .55.-,+ =2' /0' 7*6' 0-*,+<' .+<' 87*,0' 8/$+8* /-2' 7,' .-' /0' &/*-. Y7.<' ,N,- ,<' 7*6' *+0 $,+8,' /' ,00,8' 7,' /3B,8' 47*872' /0' . ' / 7,-62' 4.6' /' 7,' *+?' 7,' 1/6' $+5. . .3 ,2 7,' 8/. * */+' /0' 7,' $ -.' F 7*?6' 4* 7' * 2' 0/-' 7,' 5$-5/6,' /0' $-+*+?' /$' <<*+? /+2' .+<' 0/-8*+?' 7,16, #,6' *+ /' 5/4,-0' 6' -, . ,6' /' 7,' D5$3*8 #*,46' .+<' /5*+*/+6' /0' 7,' -*+8,' .+<' 7*6' 0-*,+<62' 7,' 0/ /4*+?' .88/$+2' .6' ?*#,+' 3=' 7,' . ,' .-' /0' /+6<. ,2' /0' 8,- .*+' .+?$.?,' 7, <' 3=' 7*1' . ' 7,' &.-@$*6' /0' '. *6G 3$-=02[' .' 0,4' <.=6' 3,0/-,' * ' -, $-+,<' /' /4+*+?06 *C,, 2' *62' *+' 1.+=' -,65,8 62' 8$-*/$6E' ' 7,' -*+8,' /' 6,' 7,' *+?' /01/--/4' ,' /$?7' /' 3,' 8.-,0$' 47.' 7,' <*<' .M,' 8.-,' 7,' 4.6' .8 *+?' 8/+6 * $ */+. =' 7.2 47* ,' 7,' 0*0 7' 57=6*8*.+' 4.6' *+' . ,+<.+8,2 7/4' 8/$ < 7,' *+?' 3,' 6.*< /' 3,' 4,H$ 7.' /01/--/4' 67/$ < +/' 5.66' 4* 7/$' 6/1, 7*+?' 3,*+?' </+,' 7.' .+' $+<,-05 /' 4.6' ?/*+?' /+2' .+<' &-' * ' 4/$ < 3,' 3, -.=,<' /' /5*+*/+' ,* 7,-' /0' 7,' (7.+8, /-' /-' &-' <<*+? /+' 7/$?7' 7,' 0/-1,-' 7.< <,8,*#,< 7*1' 7.' +/ 7*+?' 3$' .+' ,N.1*+. */+' /0' 57=6*8*.+6' 8/$ < 6. *60=' 7*1' /0' 7,' *+?06' 8/+#. ,68,+8,[' .+<' +/' 7.2 $+ ,66' /-< 7$- /4' 4,-,' /0' 7,' (/11* ,,' 7.' . ' 7,' 0-*,+<6' 7,' 8/$ < *+0 $,+8,' 4/$ < 6$55/-' .

' /-<' &. 1,63$-=6' *.-*,62' #/ '*#' 5' ' 2

' , ,-'0-/1' 7,' NB-<' <#/8. ,' /5,' /' /-<' &, #* ,2' <. ,<' +<' &.-872' 9; _I' .-'' .+7/5,06' *0,' /0' * 2' #/ '*#' 55' 9 :0;' 7,' -*+8,06' 0+,$<6' 7.<' #/ ,<' 4*7' /#,-+1,+'5/' . ,' /6' 7,' 9W 7' /0' &.-87

' (-/M,-' &'' -/1' 7,' /-*?*+. '*+' 7,' 7.+<04-* *+?' /0' /-<' /+6<. ,

[' 55.-,+ =' /+' '$+<.=2' 7,' 7' /0' 5-* ' /-<' '. *63$-=' . ' 7*6'5,-*/<' 7, <' 7,' /-<' (7.138- .*+67*52' 47*87' /00*8,' 4.6' 6$36,@$,+ =' /00,-,<' 3E' * ' /' /-<' ,1G 3-/M,2' 3$' 4.6' <,8 *+,<' 3=' 7*1' ' ,' / <' 1/' 7*16, 02L' 4-*,6' /-<' &. 1,63$-=2' ' 7,' 6/-' /0' *0,' * ' 4/$ <' /3 *?,' 7*1' /' ,.<' 4/$ <' 1.M,' 7*1' @$* ,' 4-, 87,<' 28/$ <' +/' 3.1/' 7S-+' =/2' $* 1=' 1*+<2' 4*67' *,' 7$<' /8885 8<2' 0/-' 7,' *+?06' 6.M, Y' * ' ; ' ' 0 ' #/ '*#' 5' 9

/#,11,*'0/-1,< /+'.'8/15-,*,+6*#,'5.+'f3$'*0'3.'8/$<+/'3,'.88/15*67,<2'7,'8/$<+/'8/+6,+'/'6,,'7,'.0w**-6'/0'7,'M*+?</1'8/+<$8,<*+'7,'1.-*+,-7,='7.<3,,+2'.+<8/+*+$,'/'0-.1,'7,'6.1,'*+,'/0'1/<,-.*/+'3='47*87'7,'7.<7*7,-/'3,,+'?$*<,<'7.'7,'$M,'/0'(.-,+8,'4/$<8,-.*+='.,+<'/01/--/42'.+<'7,'7/5,<?-,.'+$13,-6'4/$<f.+<'47.,#,-'7,'$M,'/0'(.-,+8,'1*?7'6.=2'7,'6,+*1,+6'7,'$,-,<4,-,'*M,4*6,'7/6,'/0'7,'-*+8,'7.'7*6'3-/7,-6'7.<3,,+'0/-8,<'/'.,+<'7.'/+='0/$-'5,-6/+6'7.<6,,+'7,'*+?'7.'&-'*'1$6'+/'B$<?,'/0'7*6'1*+<0-/1'/+,'*+,-#*,42'3$'7,'1$6'?/'/'7*12'.+<*15-,5.-,<0/-'7,'*+,-#*,4'f3$'&-'*'4*'+/'3,'./4,<'/'6,,'7*1L

7,'-*+8,06'6$-1*6,'7.'*'4/$<0*+<.'<*00*8$='*+'/3.*+*+?'.+'*+,-#*,4'4*7'7,'*+?'5-/#,<'/'3,'@$*,'8/--,8'7,'*+?2'*'*6'-$,2'7.<+/'/+='N,+<,<7*60/-?*#,+,66'/'*2'3$'7.<</+,'B$6*8,'/'7,'-,8*$<,'/07*6'*+,+*/+6')2'/+'7,'/7,-'7.+<2'7,'7.<8.$6,6'/08/15.*+'.?.*+6'7*60/-1,-'&*+*6,-25,-6/+.'.6'4,'.6'5/**8.2'47*87'7,'0/$+<*'<*00*8$2'.'.'/+8,2'/'/#,-G//M'4*'3,'-,1,13,-,<754'.00,8*/+.,='7,'*+?2'/+'*06@$**+?'/00*8,'*+'&.-872'9;9E7.<,N5-,66,<7*64*67'7.2'7/$?7',='7.<8,.6,<'/'3,'5/**8.'.*,62'7,='67/$<8/+*+$,'/'3,'5,-6/+.'0-*,+<6f.+<'0$II27,-27/4'0.,-*+?='7,'7.<*+#*,<7*1'/'#*6*'7*1'8/+G6.+=2'.+<'/'3,8/1,'7*65-*#.,'?$,60'7,6,'M*+<G+,66,62'7/4,#,-2'+/'/+='.55,.-'/'*.#,'3,,+'6/1,47.'$+?-.8*/$6='-,65/+<,<'/'/+'7,'5.-'/0'7,'?-,.'6.,6G1.+23$'4,'7.#,'7,'.$7/-*='/0'/-<'*',+.2'.6

'7,'-*+8,',#*<,+='-,0,-6'/'7,'?-,.'-*.'/0'6-,**?7'47*87'4.6',N5,8,<'/'.M,'5.8,'/+'7,'&/+<.=2'7,'7'/0'5-*2'/+'+'1/*/+'/0'/-<''.00/-<'0/-'.+'*+*****-='*+/'*,'6.,'/0'7,'+.*/+'R'7,'-*+,,2L'4-*,6'/-<'&.1,63$-=2'4.6'.'0*-6'4.#,-*+?'+'7*6'5/**862'7$'?/'0*+.='.'7,'#/,6'7,'8/$<'0/-'7,'55/6**/+'7,'$M,'/0'(.-,+8,'4/$<'7.#,'#/,<'4*7'*f3$'7,'/7,-'/=/8'$M,62'.+<'#,-='5-/5,-=2']'g''4*'#/,'4*7'/#,-+1,+CCY+F,62'#/2'*#'55'92'W''',,'55'*(2'K:

8/11$+*8. ,<3=7*1 3/ 7 / /-< &. 1,63$-=.+< /-<
(/87,6 ,-7. 0/- 7-,, =,.-6 * 3.< .#/*<,<3*6 '/#,G
-,*?+06 5-,6,+8, + 7,6$11,- /0 9; 97 7, *+?3.<
6,+ 7*1 .+ *+#* . */+ /#*6* 7*1 . F,=1/$ 72 3$ /
7. *+#* . */+ 7, +,#,-,-8,*#,<.-,5 =0 -$, * *6 7. 2
. . ,-5,-*/<2* -.+65*-,< 7. 7, *+#* . */+ 7.<+,#,-
3,,+ <, *#,-,< / * 2 3$ 47, 7,- 7*6 20.8 4.6 ,#,-
M+/4+ / 7, .+? .55,.-6 / 3, ,N-,1, =</30
?.*+2 47,+ * 2 .0 ,- 7*6 /+? .36,+8, 0-/1 7*6 .-G
.1,+ .-= <$,62 -, $-+,< 8/+#. ,68,+ 0-/1 . 7 *+
A.+$.-=2 9; Y. 7/$?7 /+ /+,/0 7, 4/ /- 7-,, <.='
7. 7, 6 .=,< *+ /+</+ 7, .+? 7, < . ,#,, . '
A.1,606 Y 7, ,N0 -,1*,- +/ /+ = .36,+ ,< 7*16, 0 0-/1
*2 8/+ -.-= / 7, ,.-+,6 ,+ -,. *,6 /0 7*6 0-*,+<62 3$
+/ /-*/$6 = 5.66,< 7, .0 ,-+//+ 4* 7 <<*+? /+2 . *87G
1/+< .-M * 2L 4-* ,6 (.++*+? / /-< &. 1,63$-=2
/+ 7, ; 7Y " /+/ / 7, ,#,,2 3$ / *871/+< /+
7. <.= , -,. =7.< +/ ,N8$6, 3$.>*+,66 L 7.
7*6 .36,+8, 4.6 3/ 7 -,1.-M,<2 .+<8/11,+ ,<$5/+2 3= 7,
+?2 6,,16 ,#<,+ 0-/1 .+ .+N*/$6 4*672D,N5-,66,< 3=
7, $M, /0)/-M / /-< &. 1,63$-=2 7. &- *
67/$<. . ,#,+6 1.M, .5/*+ /0 3,*+?5-,6,+ . 7,
+,N ,#,,2 47*87 4.6 / .M, 5.8, /+ $,6<.= 7, 9; 72
3$ 0-/1 47*872 .6 0.- .60 4, 7.#, 3,,+ .3 , / <*68/#,-2
7, . 6/M,5 . 4.=A / 47. ,N,+ 7, -,8/ ,8*/+ /0
7,6, 5,-6/+. 6*77 6 1.=7.#, *+8-,.6,< 7, <*65 ,.6$-,
47*87 * 06 5/**8. 8/+<$8 8-,. ,< *+ 7, -/=. 3-,.6 2
* 4/$< 3, <*00*8$ / .68,- .*+ 7, *+?2 7/4,#,-2
4/$< +/ / += 6,,1 / 7.#, 3,,+ 7$- 3= 47. 7.<
/88$--,<2 3$ / 7.#, -,6,+ ,< * *+ 5-,8*6, = 7, 6.1,
1.++,- .6 . 5-*#. , ?,+ ,1.+ 4/$< 5-/3.3 = .8 $+<,-

 / -< & . 1,63$-=06 *.-*,62 #/ *# 5 9 8 84 06 *0, /0 / -< *<1/$ X2
#/ **5 ; K2 /6/06 *.-*,62 #/ *5 _
A % / -< & . 1,63$-=06 *.-*,62 #/ 2 *# 55 9K:2 9K 2 .+< / /406 *0, /0 *<0
1/$ *2 #/ **5 99

6*1* .-' 8*-8$16 .+8,6' &,, *+?' **6' 0/-1,-' 0.#/$-* ,'
&*+*6 ,-' *+' *,' .-M2' 7,' 5.66,< 7*12 4,' .-,' / <2' 4* 7/$'
?*#*+?' **1' 7,' 6 *?7 ,6' 1 .-M' /0'-,8/?+* */+
* 06' 5-/5/6* */+6' 0/-' 7,' 8/+6 -$8 */+' /0' .' +,4' <1*0' '
+*6 -. */+' 4,-,' ,13/<*,< 7=' 7*1' *+' 7,' 0/-1' /0' .' , ,-'
/' /-<' </+2' <. ,< 7,' +<' /0' &.=2' 47*87' 7,' (7.+G
8, /-' 5 .8,< 3,0/-,' 7,' *+? 0' +' 7*6' </8$1,+ 2' * '
+/ ' /+ =' .*<' $-?,+' 6 -,66' /+' 7,' +,8,66* =' /0' 8/1G
3*+*+?' *+' /+,' /#,-+1,+' 1,+' /0' .3* * =' .+<' *+0 $,+8,
0-/1' 5.- *,6' /0' . ' <,68-*5 */+62' 4* 7/$' -,0,-,+8,' /'
0/-1,-' <*0*,-,+8,6' .+<' /5*+*/+62L' 3$ 2' 3=' 1,+ */+*+?' /N'
7=' +.1,2' ,0' +/' 5/66*3* * =' /0' 7,' *+?' 1*6$+<,-6 .+<G
*+?' 7*6' *+ ,+ */+6' 7,' ,N-,1,' .++/=.+8,' 47*87' 7,'
*+?' 8/+ *+$,<' /' 0,,' .' 7,' 5-/65,8' /0' /N06' -, $-+'
/' /00*8,' *6' 1.+*0,6 ,< 3=' 7,' -,5 =' 47*872' 7-,,' <.=6' 2'
.0 ,-4.-<62' 7,' 4-/ ,' /' * 06' 5-/5/6. 6' ' 7,' 47/ ,' &=W
,+/$-2L' 7,' 4-* ,62' '/0' &-' /N06' 8/+<$8' 6*+8,' 7,' @$* ,<
7*6' 6,. ' . ' 7,' /.-<' /0' -,.6$-=2' 47,+' $+<,-' .?,2A'
.+<' 1/-,' 5.- *8$.- =' . ' 7,' F7*?' ($3' .+<' 0.8 */$6'
1,, *+?62' -,+<,-,<' 7*6' ,N5$ 6*/+' 0-/1' 7,' -*#=' (/$+8*'
*+<*65,+6.3 8' .+<' /3 *?,6' 7,' *5?' /' ,N5-,66' 7*6' .6 /+*67G
1,+' 7. ' &-' * '67/$ < /+,' 1/1,+' 7.-3/$-' 7,' 7/$?7'
/0' 3-*+?*+?' 6$87' .' 1.+' 3,0/-,' 7*6' -/=. ' +/ *8,' /' 5-,G
#,+' 7,' -,5, * */+' /0' * 2' 7,' *+?' <,8 .-,6' 7. ' *0' &-z * '
5,-6*6 6' *+' 6$87' .+' *<,.2' /-' *+' 5-/5/6*+?' /' 8/+6$ ' /-<'
-,+#* ,2' 7*6' &.B,6 =' 4* ' 7.#,' /' <,5 /-,' 7. ' 7,' 8.++/'
.#.*' 7*16, 0' /0' 7,' .3* * =' /0' &-' * ' 4* 7' +,8,66.-='
.,#-.":-"(1#Z),#,' +("1-# 3,*+?' $+<,-6 //<2')"# &.B,6 ='
</,6' +/' /3B,,' /' &-' * 06' 0/-1*+?' 6$87' .' 5 .+' 0/-' 8/+I'
<$8 *+?' 7,' 5$3 *8' 3$6*+,66' .6' 1.=2' $+<,-' . ' 8*-8$10

' & ,1 /*-6'/0' -.+8*6' /-+,-2'#/ ' *' 55 ' 90
' .-' ' .+7/5,06' *0,' /0' * 2'#/ ' *#' 55,+<*N2'5 ' *#' /6,06' *.-*,62'#/ ' **' 5
99 2' U8
' 7,' *+?'*6'7,-,' 6/1,47.'*+',* /-' ,'4/$ <'7.#,'3,,+'5,-0,8 ='8/--,8'7.<'
7,'6 . ,<' 7. ' /N2'47,+', ,8 ,<' /' .-*.1,+ 2'4.6' '$+<,-' .?,I'L' 7$ '. ' 7,' *1,'
/0'7*6'.55/*+ 1,+' /' 7,' -,.6$-='7,'4.6' 48+*=00*#8' =,.-6' /0'.?,2'7.#*+?2'1/-,/#,-2'
5-,#*/$6 ='3,,+'.' /-<'/0' 7,' -7$ -. =' [' '/-*?

6 .+8,6 .55, .- /3, , *?*3 , $67/$ <&- * H+G
0/- $+. , =0*+< 7*16, 0$+.3 , /$+<,- .M, 47. *6 7,-,
5-/5/6,< 7, *+?4* *+7. 8.6, 8. 0/- 7, .66*6 .+8,
/0 6$87 1,+ .6 .-, -$ =. .87,< /$-7.55= (/+6 * $G
*/+ .+< +/ 6, ,M,-6 /0 *15-/#,1,+ 6 47*87 /. <*6G
5.66*/+. , 1,+ 1$6 .55, .- /, +< /7, <,6 -$8 */+ /0
7. +/3 , 0.3-*8 47*87 *6 7, 5-*<, /0 . 7*+M*+? H*+<6
.+< 7, ,+#= /0. 0/-,*?+ +. */+6 L
+ 7, 6.1, /+, /0 <*65 , .6$-, -$+6 7, 0/ /4*+? +/ , <. , < 7, 6.1, <.= Y

I K g
6 * ;

%& ($ & U

C), "12 "# ; 8:) +%, *#, / ="-) , >:, %%, 1-)*1:, %%(.3# 1(-, , /(86-# ; 8:) =), -), . "--= "%% *0-, . =, "2%""12 -), : (1-, 1-# (0 -%", +*+, . /, %"<, ., / -)"# /*7 -( )" ; 67 (. / %/(1 :)((#, -( )*<, * +, .#(""*% "1-, .<", = ="-))"# * ", #-7? 68- =), -), .), ="%% 1(- .*-), . +., +*., *1(-), . ##*7 :(1-*"1"12 *# ; *17 , ; +-7 <(./#* *1/ %"--%, "10(. ; *-"(1 *# -), (1,),) */ 6,0(., -.*1# ; "--, / C "# *5,#-7 ="%% <"-) 2., *- +%, *#8., . , :, "<, -), (./)*1G :, %%(. -(9 ; (..($6,- <, ,1 -, 1 *1/ , %, <, 1 -), -" ; ,),) " ; #, %0)*# +.(+(#, /

7, 5, -6/+ 47/ +, N /7, *+?6, , 16 /7.#, 3, , + 7, 1/6 .#, -6, /7, 5-/B, 8 , < 8/. **/+ 4.6 7, /-< (7.+8, /- 47/ *+ .<<**/+ /7 / 7, - 1/ *#, 6 5, -6/+. .6 4, .6 5/ **8. 20<-, ., <, < 7, ,00, 8 47*87 1*?7 3, 5-/G <$8, < /+ 7*6 ' /#, -, *?+06 1*+< *+** 6 6 * <, 3** . , < 6 . , 67/$ < .+= 6 -/+? 5-, 66$-, 3, 5$ $53+ 7*1 *+ . +. , - E/ <*6 .6 , 0$ /7*1 .6 7, -, .<1*66*/+ /0 /N /7, (.3*+, /6, 7, 4-* , 6 /+ 7, _ 7 /0 &.= Y /7 1.+ 8.+ 3, 1/-, 8/+#*+8, < 7.+ .1 /0 7, <*00*8$ 8*-G 8$16 .+8, 6 4, 6 .+< *+ .+< 7.+M /< .1 +/ .88, 66/-= /7, 8.$6, 6 47*87 7.#, 5-/<$8, < 7, 1 7,

1 09 *$** /5, 06 *0, /0 * 2 #/ *# 2 558+8 * #2 55 *N 0N /6, 06 *.-*, 62 #/ ** 5 99K2 U8 4 *66 6 *0, /0 /-< < /+2 #/ * *5 __
99

0/-3,.-.+8,' /0' .' 0/- +*?7 ' /-' 7-,,' 4,,M6' 4/$ <7.#,'6.#,<
7,' *+?B' .+<' ' 7*+M' 1*?7 ' 7.#,' 6.#,<' &-' * ' 7,'
8-$,' 8/+6,@$,+8,62' .6'8-' .1' .55-,7,+6*#,' 7,=' 4* ' $-+'
/$ 2' /0'7.#*+?' 0, ' .' +,8,66* =' /0'1.M*+?' .' 5-/5/6* */+2' 7,'
1.M*+?' 0/0' 47*87' 4* 2' *+' 1=' B$<?1,+ 2' 1/6' 6,-*/$6 ='
*+B$-,' 7*12' .+<' 7,' ,N,8$ */+' /0' 47*87' ' 3,*,#,' /' 7,'
$,- =' *15/6'*7 ,' 47* 6' 7,' ,-6/+.?,' 47/2' 1$6' <,8*<,'
$5/+' *' -, .*+6' 7*6' $+<,-6 .+<*+?' ' 6,,' +/' 1,<*$1' 3,G
4,,+' &-' * 06' -=*+?' 47.' =/$' 7*+M' +/' .6*+?2' .+<
7,' *+?06' 3,*+?' <,6 -/=,<' */< 0/-?*#,' . ' 7/6,' 47/'
7.#,'3-/$?7' ,* 7,-0/0' 7,1'*+ /' 7*6' 6* $. */+' L0
' 4.6' 4/' <.=6' .0 ,-' 7,' <. ,' I/0' 7*6' , ,-2' 7.' 7,'
+?2' =, <*+?' .' ,+?<7' /' 7,' -,5,. ,<' ,+ -,. *,6' /0'
* 2' 8/+6,+ ,<' /' .<1*' 7*1' /' *5-*#. ,' .$<*,+8,' 8G
8/-<*+? =2' /+' 7,'0/-,+//+' /0' &/+<.=2' 7,' : 7' /0' &.=2' 7,'m
(7.+8, /I-' 8. ,<' $5/+' * ' . ' 7*6' 5-*#. ,' -,6*<,+8,2A' .+<
.6'6//+' .6'7,'7.<'3-,.M0.6 ,<2' 8.--*,<' 7*1'4* 7' 7*1'*+' 7*6'
8/.872' /' $8M*+?7.1' /$6,' +' 7,' 5-,#*/$6' <.=2' * '
4/$ <6,,12' * ' 7.<' -,8,*#,<' 0-/1' (.*< /+' /$6,'.' #,-='
? //1=' .88/$+' /0' 7,' 6 . ,' /0' 7,' *+?06' 7,. 72' .+<
8/+6,@$,+ =2' /+' -,.87*+?' 7,'BQ$,,+06' /$6,2'7,' -,.<* ='
6 ,+,<' /' 7,' 6$??,6/+' /0' 7,' (7.+8, /-2' 7.' 3,0/-,'
7,*+?' $67,-,<*+ /' 7,'5-,6,+8,' /0'7*6' '/#,-,*?+2'7,'67/$ <
7,.-' 7,' /5*+*/+6' /0' 7,' -/=.' 57=6*8*.+622 47/' 7.55,+,<
/' 3,' *+' . ,+<.+8,' 7,' 4/' 87*,0'@$,6*/+62'7,' / < 7,12'
*#7*87'7,'<,6*-,<' /' .6M' 4,-,2'0*-6'/0' . 2'47, 7,-' 7,'6*?7'
/0' .+' / <6,-#.+2'0-/1' 47/1' 7,' *+?' 7.<3,,+',6 -.+?,<
0/-' -%".,,' 7,*.#' 1*?7' +/' 7,' <*6 -,66*+?' /' 7*12' .+<

' /6,2'*+'.' , ,-' /'4 **87' /-<' < / +06'*6'.'-,5 =2'7.<',N5-,66,<'.+'/5*+*/+' 7.'
4*7/$'.+'$+*/+'4*7' /N2' * '4/$ <'7/'**+/3 ,' /'1.*+ .*+'7*16, 0'*+'/00*8,'0/-'.+='
.6*+?'5,-*/< Y /6,06' O '#/ '**'55':;0 2' 99K
' * '. ' 7*6' <1/'/88$5*,<'.'61. '7/$6,' /'9_2') /-M05 .8,2'.'8/+ *+$. */+'/0'
.M,-06 -,, 2' /- 1 .+06@$.-, " ' &)'* ' ' '#/ '0$*'5'_ ' '1.='
3/'8.6$. ='1,+ */+,<' 7.'8 /6,'3='f /'K_2' .M,-06 -,, X' 3.<'-,6*<,<' * 06'8/$6*+'
/-<'(.1, 0/-<2'47/2' 4/'1/+ *6'5-,#*/$6 ='f& .-87':X2'7.<'3,,+'M* ,<'*+'.'<$,'3='
,6 Y ($+*$?*.1 6'E (% '* ' - 2' .M,-06 -,,

6,8/+< =2 47, 7,-' 7,' <*68$66*/+' /0'*15/- .+' .00.*-6' 1*?7' +/' 5-/<$8,' .+'*+B$-*/$6' ,00,8' $5/+' 7*6' 7,. 7' / 7*+?' 8/$ <' 3,' 1/-,' 6. *60.8 /-=' 7.+' 7,' .+64,-6' /0' 7,' 57=6*G 8*.+6' /+' 3/ 7' /0' 7,6,' 5/*+ 6'I =, ' *' 4.6' +/' * ' 7,' 7.<' 8/11* ,< 7*6' @$,6*/+6' /' 5.5,-2 .+< 7.<' -,8,*#,< 7,' -,5*,6' /0' 7,' 57=6*8*.+6' *+' 4-** *+?2 7.' 7,' ,N5-,66,<' 7*16, 0'6. *60*,<' .<' 7,=' <,1$--,<2 7,' .0 ,-4.-<6' /3G 6,-#,<2 7,' 67/$ <' 7.#,' 1.<,' +/' 68-$5 ,' /0' @$* *+?' 7,' . .8,' 4* 7/$' 4.** *+?' /' 6,,' 7,' *+?I' ,#,+' 7/$?7' 7,' 4.6' 7,-,' 3=' ,N5-,66' .55/*+ 1,+ ' * ' 4/$ <' 4* *+? =' 7.#,' *+<$8,<' 7,' (7.+8, /-' /' .88/15.+=' 7*1' *+ /' 7,' -/=.' B5-,6,+8,2 3$' /+' 7,' . ,-' 6$??,6 G *+?' 7/4' <,6*-.3 ,' *' 4.6' 7.' 7,' 67/$ <' B$<?,' /0' 7,' *+?06' 8/+<* */+' ,+ *-, =' 0/-' 7*16, 02 7,' .?-,,<' /' ,+ ,-' 7,' 8 /6, ' . /+,

7,' *+?' +/' /+ =' -,8,*#,< 7*6' 0/-1,-' &*+*6 ,-' 4* 7' 7,' ?-,. ,6' M*+<+,662 3$' /+' * ' 8/+?-. $. *+?' 7*1' /+' //M*+?' 6/' 1$87' 3, ,-' 7.+' 7,' 7.<' </+,' .0 ,-' 7*6' 0/-1,-' * +,662*+' 9; 92+/ 7*+?' 8/$ <' 3,' 7.55*,-' /-' 1/-,' 0 . ,-*+?' 7.+' 7*6' -,5 =' ' ' *6' +/' /' 3,' 4/+<,-,<' . ' 7,' 6.*<' ' ' 4.6 7a+' /+' 7,' 5/*+' /0B5.-]1=' 4* 7' .+' / <' 0-*,+<2 .+<' .1' +/4' .3/$' /' ' /+, L0' '/1,' <.=6' .0 ,-4.-<62 7,' / <' 7,' $M,' /0' /- .+<' 7.' ' 7,' .+<' &-' * ' 1,' *M,' / <' 0-*,+<6' 47/' 7.<' +,#,-' 5.- ,<A' +' ,#,-=' / 7,-' @$,6*/+2 3$' 7,' .<1*66*/+' /0' /N' *+ /' 7,' (.3*+, 2 * ' 0/$+<' 7,' *+?' #,-=' -,.6/+.3 ,' .+<' -.8 .3 ,' /' /-<' -,+#* ,2 *+<,,<2 7,' *+?' .' 0*-6' 1.<,' 8/+6*<,-.3 ,' /3B,8*/+2 3$ 2' .6' * ' / <' /6,2 '7,' ?.#,' 4.=' 8/15 , ,=' .3/$' 7*1 L' [' #,+' .6' -,?.-<,<' /N2 7,' ,N5-,66,<' 7*6' 4* *+?+,66' /' 6.+8*/+' 7*6' .55/*+ 1,+' .6' 13.66.</-' /' .' 0/-,*?+' 8/$-2 /-' *+' 0.8' /' .+=' / 7,-' 5/6' 47*87' <*< +/

t' /-<' & / 1,63$*=06' *.-*,62' #/ '*#' 55' 9 2' 99' /6,06' *.-*,62' #/ '**' 5 0 9 9' ' /6,06' *.-*,62' #/ '**' 5' 9 90

A' /-<' & . 1,63$-=06' *.-*,62' #/ '*#' 5' 9 '2

[' /6,06' *.**862' #/ 2' **' 5' 9

,+ .* * ,' +,8,66* = /0 7,*-' 3,*+?' 3-/$?7 ' *+ /' 5,-6/+. '
8/+ .8 ' 7, *+?2 *+<,,<2 +.1,< 4/ /-' 7-,,' 5,-6/+6'
47/6,' -,8,+ '8/+<$8 '*+' .-*.1,+ 2 7,'6.*<2 7,'4.6 $+.3 ,'
/' /#,- //M 3$ '/+' * '*+ *1. *+?' /' 7*1' 7. ' 7,= 4,-,'
.1/+?' 7/6,' 47/1' 7,' 7.< ,65,8*. = *+ ,+<,< /' -,8/1G
1,+<' /' 7*6' &.B,6 = 0/-' /0*' 8,27,' /00,-,<+/'0$- 7,-' /55/6*G
/+' +' 7. '8.6,27,'6.<2 '.6A-*,+<6' /0' &-' * 'L'7,'67/$ <
1.M,' +/' /3B,8*/+' /' 7,12 .+< &-' * ' +,,<7,'I$+<,-' +/'
$+,.6*+,66' /+' 7,' 6$3B,8 ' 7,' *+?2 *+' 0.82 /' $6,'
/-< &*+ /05 4/*0<6' /' /-< &.1,63$-=2 '5/6* *#, = 5-/G
68-*3,< /N2 .+< +/' /+,', 6, L'0' 88/-<*+? =20 47,+' * '
@$* ,< 7,' -/=. ' 5-,6,+8,2 * ' 4.6' 4* 7' .15 ,' 5/4,-6' /'
8/+6 -$8 '.' +,4' (.3*+, 2 4* 7' 7*6' 6*+? ,' 3$ ' 1/1,+ /$6'
,N8,5*/+

7,-,' *6' 68.-8, = .+= 5/ * *8. ' .8 ' *+' 7,' *0,' /0' ,/-?,'
7,' 7*-< 0/-' 47*87' 7,' 7.6' 3,,+2 1/-,' 6,#,-, = 3 .1,<
7.+' 0/-' 7*6 5-/68-*5 */+' /0' /N' /+' 7*6' 8, ,3-. ,< /88.6*/+'
'$-, =2 7/4,#,-2 7*6' 8/+<$8 ' 4.6' +/ ' . /?, 7,-' *+<,G
0,+6*3 , ' /-' *+6 .+8,2 *6' * ' /' 3,' 4/+<,-,< . ' 7. ' 7,'
67/$ < 7.#,' 67-$+M' 0-/1' .<1* *+?' /' 7*6' 8/+0*<,+8,' .+<
5-,6,+8,' .' 1.+' 3= 47/1' 7,' 7.< +/ ' /+ =2 0/-' =,.-62
3,,+' 6=6 ,1. *8. = -,#* ,< .+< *+6$,<2 3$ ' 47/12
47, 7,-' B$6 = /-' +/2 7,' -,?.-<,< .6' 7,' .<#/8. ,' /0'
-,#/ $ */+.-= 5-*+8*5 ,62 7,' 0/1,+ ,-' /0' 6,<* */+2 .+<2 .6'
7.6' 3,,+' . -,.<= 1,+ */+,<2 .6' 7,' 8/--$5 ,-' /0' 7,'
1/-.6' /0' 7*6' 0*-6 3/-+S' 6' /-< &.1,63$-= 0.*- =
5/*+ 6' /$2 * ' 4.6' ,.6= ,+/$?7' 0/-' /N06' 5,-6/+. ' 0-*,+<62
/0' 47/1' 7*6' /-<67*5' 7*16, 0' 4.6' /+,2 /' /#,- //M' 7,'
0.$ 6' /0' .' 8/15.+*/+' 47/1' 7,= <,.- = /#,<2 .+< /'
0*+< ,N8$6,6' 0/-' 7*6' 5/ * *8. ' ,N -.#.?.+8,6 3$ ' /+' 47. '
?-/$+<6' 8/$ < 7,= ,N5,8' 7,' *M,' *+<$?,+8,' /+' 7,' 5.-'
/0' 7,' *+?2 0.-' -,1/#,< .6' 7,' 4.6' 0-/1' 7,' .-,+.' /0' /N06'
0.68*+. */+62 .+< 1/-,/#,-2 .88$6 /1,<2 .6' 7,' 7.< 3,,+' 0/-

' /-<' (/ 87,6 ,-06' *.-*,62' #/ '*' 5' W K' /6,6' *.-*,62' #/ '**' 5' 9 '
' /6,6' *.-*,62' #/ '**' 55' 9 0_' /-<' &.1,63$-=06' *.-*,62' #/ '*#' 5' :

7, .6 7*- =, .-6 /7, .- ,#,-=*+8.$*/$6 4/-< /-.8 /0 7,?-, . 55/6**/+ ,.<,--,5-,6,+ ,<3=7*6 5/**8. ,+,1*,6*+ .+*+#*<*/$6*0+/**+ .<*6 /- ,<*?7S &/ ,0 /#,-2 5$ *+?5,-6/+. 1/*#,6.6*<,2 7, *+?7.<7.< //1$870 ,N5,-*,+8, /0 7,8/+6,@$,+8,6 /0 0/-1,-8/.**/+6 +/ /0,, .6-/+?-,5$?+.+8, /6/ .+/1. /$6. /+, .6 7. 47*87 4.6+/4 5-,66,<$5/+7*1 0/- .55-/#. /N2 .6 3/7 7, *+?.+< 7*6 6$3B,86 4,-, /+= //4, .4.-,2 7.<+/ /+=0/- =,.-63,,+ * 06 6=6 ,1.*85/*G *8. /55/+,+2 3$2<$-*+?7. *1,27.<. 1/6*+#.-*.3= *+#,*?7,< .?.*+6 7*6 &*+*6 ,-*. 1,.6$-,6.6 4*8M,<2<.**0 ?,-/$62 .+< $+8/+6*$*/+. ,7.<?/+, ,#,+0$-7,- ,7.</#,- .+</#,-2.?.*+ .--.*?+,<7*1/+87.-?,6/0 7, ?-/66,6 8/--$5*/+2 .+<,65,8*. =/0 7, ?-.#, /*0,+8, y07.#*+?-,8M ,66=.+< $++,8,66.-*=5-/ /+?,< 7, 4.- 4*7 -.+8,2 7,-,3=</*+?7*6 4/-6 /AB-*+?.3/$ 7, -$*+ /07*6 8/$+ -=0 '$-, =2 7,+2**/$?7+/ /3,*1G 5$,< /7, *+?.6.8-*1, 7.7,0/-3.<, 7,3.++6 /0 5/**8. $+*/+3, 4,,+ 7,6, 4/1,+2 1/-,5.-*5$.-= .6,#,+ /N06 5.-*.0-*,+<.+<0/-1,-5/**8. ,.<,-2 7, $M, /0 /- .+<2 1.<, +/ 68-$5 , /0 ,N5-,66*+?7*6 /5*+*/+ 7. /N06 ,N8 $6*/+0-/1 7, (.3*+, 4.6+/ /+= .B$6*0*.3 ,23$. 1/6 .+ $+.#/*<.3 , .8 /+ 7, 5.- /0 7, ' /#,-,*?+ /N2 7, 6.*<2 7.< ,N5-,66,< /5*+*/+6 '/ 6-/+?2 .+< 7.< .<#/8. ,< .<1*+*6-. *#, 87.+?,6 6/ <*G -,8 =/55/6,< /7, -,8/?+*6,< .+< 8/+6*$*/+. <$*,6 /0 ,#,-= <,5.-1,+ . 7, 7,.< /0 47*87 7, 4.6 , *?*3 , /3, 5.8,<2 7. 7,-, 4.6 +/ /00*8,2 ,+.3 , 4*7 . 6,. *+ 7, (.3*+, 20/- 47*87 7, 7.< +/ <*6@$. *0*,< 7*16, 0 0-/1 0* *+? /-< -,+#* ,2 .<<,< 7, $M,2*+. $6*/+ /7. +/3 ,1.+06 *15,+<*+?.3.+</+1,+ /0 * 06 ***0 ,-,6 6 0/- 7/6, /0 /N2 7.< 0/-1,- =3,,+ /0 7, 6.1,

/-<&. 1,63$-=06 *.-*,62#/ '*# '5 :

* *,'65/88*'/0' *,' /-+,=0 ,+,*0.2' ,-8,#.2'*+' 7,' /$6,'/0' (/11/+62'/+' 3,' -<'/0' 5-*2'9; _2'*+'(/33, 06 .-*.1,+.-=' ,3.,62'#/ '**'8/ ' ;

/5*+*/** f .-*< P7/4' 7,-,0/-,' 8/$ < 7,' ' -,8/+8* ,' * ' /' 7*6 8/+68*,+8,' /' 5-/0,66 .' <*00,-,+' 8/+#*8 */+' $
/' /N06 8-,<* 2 * ' 1$6 ' 3,' 1,+ */+,< 7. ' 7,' 3/-,' 7*6 ,N8 $6*/+' 0-/1' 5/4,-' 4* 72 7,' ?-,. ,6 ' 1.?+.+*1* = ' -,.<=2 *+' .+ *8*5. */+' /0 7*6 3,*+?' /6 -.8*>,< 3=' 7,' *+?2 7,' 7.< 4-* ,+' /' 7/1.6 --,+#* ,B ,N5-,66*+?' .' 4*67 7. ' 7*6 ,N8 $6*/+' 1*?7 ' /+' +/' .88/$+' *+ ,-0,-,' 4* 7 /-< -,+#* ,2 .+< 7*6 / 7,-' 0-*,+<62 .88,5 *+?' /00*8,' 7*6 4*672 /+' 7,' *+?06 0*. ' 3,8/1*+?' M+/4+2 7,' +/4' -,5,. ,<' F7,+2 /+' 7,' : 7 /0 &.=2 /-< -.+#* ,' ,#,6/+' 4.* ,< $5/+' 7*12 3=' * 06 <,6*-,2 /' -,8/$+' 47. ' 7.< .M,+' 5 .8,' *+' 7,' -/=. ' 8 /6, 27*6 1.++,-' 3, -.=,< +,* 7,-' .+?,-2 6$-5-*6,2 +/-' <*6.55/*+ 1,+ ' /-' 7*16, 0 7,' 6.*<2 7,' 4.60 //' / < /' 8.-,' 0/-' /00*8,' ,' 7.<2 7/4,#,-2 1.+=' 0-*,+<6 47/' 7.< 3,,+' 7*6f 0/ /4,-6 0/-' =,.-62 47/2 ' *0 7,=' //M 7*6 .<#*8,2 4/$ < B/*+' 7,' +,4' <1*+*6G -. */+2 .+< 7,' -$6 ,< 7. ' &-' * ' 4/$ < 3,' .3 ,' /' 0*+< 5 .8,6 0/-' 7,1 ' * 2 3*? <=' ?-. *0*,< 3=' 7*6 .+G ?$.?,2 *1 1,<*. , =' 6,+' /-< -.+#* ,' ,#,6/+' /' *+ *G 1. ,' /' /N 7/4' ? .< 7,' 67/$ < 3,' /' 8/15 = 4* 7 7*6 4*67,62 . ' 7,' 6.1,' *1,' 6$??,6 *+?' 7. ' .' 1,, *+?' 67/$ < .M,' 5 .8,' 3, 4,,+' 7,1' /+' 7,' 0/ /4*+?' <.=2 .' 5-/5/6*G */+' /' 47*87 /N -,.<* = .66,+ ,< H+7.55* =2 7*6 *+G ,-#*,42 4 **87 5-/1*6,< /' 3,' .' 6*+?$.- =' *+ ,-,6 *+?' ?5,2 +,#,-' //M 5 .8,' 7,' 6.1,' ,#,+*+?2 . ' .' 1,, *+?' /0 /N06 0-*,+<62 .* 0 ']/*4,2 3,=' 8.1,' /' 7,' $+.+*1/$6 -,6/ $ */+2 7. ' /4*+?' /' 7,' ,N8 $6*/+' /0 7,*-2 ,.<,-2 7,*-' .88,5 .+8,' /0 /00*8,' 4.6 /$ ' /0 7,' @$,6 */+2 .+< 8/+6,@$,+ = /N 6,+' .' 1,66.?,' /' * 2 <,8 *+*+?' 7,' *+ ,+<,< *+ ,-0 #*,4 0 /' * ' 7,' *+?' 4-* ,6 /+' 7,' 7Y ' ' *6 +/' 4* 7/$' ' 7,' J 7,' *+?V 6,,6 3=' 7,' P *1,6 7. '2 7,' 55/6* */+0 1,, *+?' 4.6 7, < . ' (.- /+' /$6, L'

Q (./' *%;,#68.73# "*.",#'<(%'"<'+'! L
-' (./' *%;,#68.73# "*.",#'<(%'"<'++'! ! ' (./' (%:6,#-:.B# "*.",#'<(%'"'++' L ' L ' (#,3# "*.",#'<(%'"'' U9L
"' *.% -*1)(+,3# "0,'(0 "--'<(%'"< ' ++,1/">'+'>'''' (#,3# "*.",#'<(%'''+'

$ *0 /NG6 3,7.#*/$- /+ 7*6 /88.6*/+ 4.6 8/1G
1,+<.3 ,2 7,6.1, 8.+68.-8, =3,6.*< /0 7,8/+<$8 /0
7*6 +,4. =2 /-< -,+#* , ,.<*+? .6 7*6 ,N8$6, 7,
,N8 $6*/+ /0 /N 0-/1 7, (.3*+, 2 7, +/ /+ =<,6,- ,<
* *+7*6 6,.6/+ /0<*0 '8$ =Y .+<. .*1,47,+2 /?, 7,-2
7,=1*?7 7.#, 8/+6 -$8 ,< .#*?/-/$6 .+< <$-.3 , <G
1*+*6 -. */+Y3$ 7, <,6,- ,< 7*1 0/- .+ . *.+8, 4* 7 .
1.+ /0 47/6, 5/ * *8. 8/+<$8 7, 7.< . 1/6 $+*0/-1 = <
<*6.55-/#,< /N .+< -,+#* ,2 * 1$6 3, -,1,13,-,<2
7.< +/ /+kR2 . +/ *1,2 .66/8*. ,< /+ ,-16 /0*+ *1.8=/-
0-*,+<67*52 3$ 2 5-,#*/$6 = / 7, 5,-*/< /0 7,*-B/*+ 8.1G
5.*?+ .?.*+6 <<*+? /+2 7,*- *+ ,-,6 6 7.<R3,,+ .6 4*<,
.5.- .6 7,*- 5/ * *8. 5-*+8*5 ,6 / * 2 /+ 7, 8/+G
-.-=2 /-< -,+#* , .= $+<,- ?-,. /3*?. */+6 ,
.+< * 4,-, +,.- -, .*#,6 /- =,.-6 7,=7.< 3,,+
5,-6/+. 0-*,+<62 .6 4, .6 8/ ,.?$,6*+ /00*8, -,+#* MG6
8/+<$8 7,-,0/-, *+6,5.-. *+?7*16, 0 0-/1 * 2 . 7,
5-,6,+ 8-*6*6 /0 +. */+. <*00*8$ =2 #,-=+. $-. =,N5/6,<
7*1 /6 -/+? .+*1.<#,-6*/+ '$87 8/+<$8 2 .6 /-<
&. 1,63$-=B$6 =/36,-#,62 6$5,-6,<,< ,.- =.+< *+ *G
1. , 8/++,N*/+62 3/ 7 5/ * *8. .+< /0 0-*,+<67*52 /3*?.G
*/+6 4*7/$,+< -,8,*#,<2 .+< 3-/M, $5 .+ $+*0/-1* =/0
8/+<$8 47*87 7.< 3,?$+ 4*7 /-< -,+#* ,06 5$3*8
,N*6 ,+8, L " ,-= <*00,-,+2 $+<,-26*1* .- 8*-8$16 .+8,62
7.< 3,,+ 7, 3,7.#*/$- /0 * *+ 7, 65-*+? /0 9; 2
47,+2 -. 7,- 7.+ 6,5.-. , 7*6 *+ ,-,6 6 0-/1 7/6, /0 7*6
*15-.8*8.3 , 8/$6*+2 7, 7.< 0/-,?/+, 7, . 1/6 8,- .*+
.8@$*6* */+ /0 7, -,1*,-67*5 88/-<*+? =7*6 *+<*?+.G
*/+ . 7, -,. 1,+ 47*87 7, +/4 ,N5,-*,+8,< 1.=3,
-,.<* =*1.?*+,< , 4/$< ,.87 7. 5-/$< 1.+2 7,
/< /-< </+2 7. *+ 7, 6,-#*8, /02 .+< 4*7 7,
8/+0*<,+8, /0 7*6 '/#,-,*?+2 7, 8/$< </ 4*7/$ 7*12
,#,+ 7/$?7 7, ,00/- 1*?7 8/6 7*1 7*6 *0, 0 0 7,

b (./ *%; ,#68.73# "*.",#<(%"<+!!
0 ="##3# "0,'(0 %/(1'<(%""+'UU *%#(' (#,3# "*.",#<(%""+

=* ' KWk ' ' ' ' !

3-/ *,-*//<2L' .6' 7,' *+?' 6 = ,< 7,' -,+#* ,62' *' 4.6' 67-,4<='/36,-#,<3='7*6' &.B,6='.' 7*6' *1,2 7.' ' 7,=' 1$6' . 4.=6',* 7,-'?/#,-+'<,65/*8. =2 /-'/55/6,' /#,-+G 1,+'#*/ ,+ =L'

K' (./' *%;,#68.7B# "*.",#'<(%'"<'+'! U' C')"# ,;*1:"+*-"(1'0.(;' "-- D' ='-,# (./' *%;,#68.7'(1'-),' -%"'C'#-.*12,'*#"-';*7'#,,;')*#' ')*<,'0(.';*17' 7,*,#+,.:,"<,/'6,,1'-),'.8%"12'="#)'"1' (./' .,1<"%%,B# ;"1/' ,'1(='-).(=#(00' -),';*#@'*1/'),'/(,#"-';(.',':(10"/,1-%7'*#6,"12':(11,:-,/'="-)'*'#-.(12'+*.-7'? *1/'*17'"/,*' (0'+*#-'(6%"2*-"(1'(.':(1#*128"1"-7'="-%" "--')*# 1(',0"0,:-'(1')";' '),' .,1:)'+.(<,.6'"#),.,'<,."0",/4 M ?' ' /' 3'/ 37',3' ' /3 ' & MM4#('<(%'"<'+'!

$ 6' '

(

%

, ; 6, .# (0 "--3 1, = / ; "1"#-.*-"(1 4 *<(8.# +. ,##, /' 67 -%", "12 8+(1 / /"12-(1 4 00, :-"(1 #%"(=1 0(.' -) (' "12 67 -%", -(1 #:) (%*.# 4 "# :(1<*%,#:, 1:,' 4 ,2(-"*-"(1# 0(.' *' . , :(1:"%"*-"(1 6, -=, , 1) "; ' *1/' -), ." 1:,'(0 E (%,# 4 (5(8.1 (0-) (' (8.- *- E, 7 ; (8-)' 4), "123# "1-, .<", =' ="-)' *1 , : :, 1-.":' "<"1,' 4 (7*% <"#"-'-(' 8001, %%# 4) ' "123#" ; +*". , /' <"#"(1

7,' 9 7 /0 &. E 9; _ * 4.6 ?.>, ,< .6 *-6 /-< /0 7,' -, .6$-= .+< (7.+8, /- /0 7,' N87, @$,- 67/- = .0 ,- 47*87 <. ,' 4, -,' .++/$+8,< 7,' / 7,- &*+*6 ,-*. ' .--.+?, 1 ,+ 6 3= 1, .+6 /0 47*87 7,' 5-/5/6,< /' 8.--= /+ 7*6 $+5-/ 1*6*+?' <1*+*6 -. */+ ' / 7*+?2L 4-* ,6 /-< -, +#* ,' /' /-< $8M*+?7. 1 ' 8.+ 1 .M,' 1,' 1/-,' 4-, 87,< 7.+ 7,' 1 .++,- *+ 47*87 * ' *6 ,M*+?' /$ ' 7*6 /#, -+1 ,+ ' 4* 7 /6, 6 .+< $+<.6, 6 3$ ' 7*6 4, . 7,- , .#, 6 /+,' * ,' *+8 *+. */+ /' 8/1,' /' /4+ /- /' </' /- 6.= .+= 7*+?' .?.*+6 ' * L ' 0 7,' 1, 13, -6 /0 7,' <<*+? /+ (.3*+, 7,' 6*N 0/ /4*+?' -, 1 .*+, < *+ /00*8,' Y

8@,' (0 (.-%*1/' .,#"/, 1- (0-),' (81:"%
(./' %/(1' (./')*1:, %%(.
*.% (0 E, #- ; (., %*1/' (./' ."<7 , *%
.% (0)-)* ; ' *#-, .9 , 1, .*% (0-),' ./1*1:,
(./' *=@, #68.7' , :., -*.7 (0 -*-,' 0(.' -),' (; ,' , +*.-G
; , 1-
(./' *#-%, ., *2)' .,#"/, 1- (0-),' (*./' (0 (1-.(%

7,' 0/ /4*+?' 4, -,' .++/$+8,< .6 7,' +, 4' .<1*66*/+6 /' 7,' (.3*+, Y

)"# ;*@,# -),' "12 .,#(%<,/ -(' @,,+ -),;' 0(.' #(;' -";,9 *#81/,.

#' !) ' G -

' : ' ' ; ' 2

C H8 *"3# %EHE6 " & '.[/ U'D'+I' ' A

C),' "12 "# ,<,.' 2%*/' -(' ;*.@ -),')"2)' ,#-,,;' *1/' 0.",1/#)"+'),')*# 0(.' #(' ,>:.,%%,1-' *' ;*1' *# .' //"12-(1' *1/' ="%% 6,'-.8%7 2.*-"0",/' "1' #,,"12)";' -)"# ;(.1"12 *-' -,1' (3:%(:@' "1')"# 8#8*% ;(.1"129/.,## 4-),' "12 -.8#-# "1' 6((-# 4 *#),' #)*%% 6,' 2%*/' -(' -)"1@ .' //"12-(1' /(,# 1(-' *6#-*"1' 0.(;' *1' ,>,.:"#,' -)*-' "# #(' :(1/8:"<,' -(')"# %",*%-)' *1/' W=)0.)X 18%% @,,+')";' "1' .,*/"1,## ="-)')"# E((/%,7 7,(;,1' -(' 5("1')"# *5,#-7' #)(8%/' 8(1*+*.-,' (.' *17 (0')"# #*<*2,' 0(%%(=,.* /*.,' -(' :.(## -),' %"*11,%

' D /) ' L'

<<*+? /+' .88/-<*+? =' 4.6' *,' 6.1,' <.=' .<1* ,<' /' .+' *+ ,-#*,4' 4* 7' 7*6' '/#,-,*?+2 47*872 0/-' .' 6,.6/+2 5-/=,<' /' 7,' 7,*-' .6 ' 6' 5.-*+?' ,6*1/+*,6' /0' 7,' -,?-,' 4* 7' 47*87' 7,' *+?' 7.<,' 0.-,4, ' /' 7*6' .1*.3 ,' &*+*6 ,-2 7,' 5.*<7*1' 7,' 8/15*1,+' /0' .M*+?' 7,' Q$,,+' .+<' -*+8,66,6' /' #*6*' 7*1' .' 7,' F7* ,' /<?,' *+' *87G 1/+<' .-M1' .+' 7/+/$-' 47*87' 4.6' 0/ /4,<2 6/1,' *1,' .0 ,-4.-<62 3=' 7*6' 5-,6,+*+?' 7*1' 4* 7' .' 8/5=' /0' ,,87,=06 5/--.*' /0' 7*16,0' /+' 7/-6,3.8M2 .6' 4, ' .6' 4* 7' 8/5*,E' /0' 4/' / 7,-' 5/--.* 62 /+,' /0' E*16,02 .+<' 7,' / 7,-' /0' 7,' Q$,,+2 *+' 7,*-' -,65,8*#,' -/3,6' /0' ' . ,'Z' ' +' 8 /3,-2 9; _2L' 4-* ,62 .' 8/+ ,15/-.-=2 <<*+? /+' 67/4,<' '*-' ' &,8.0' .' , ,-' 7,' 7.<' -,8,*#,<' 0-/1' 7,' *+?2 .88/1G 5.+*,<' 3=' .' 5-,6,+' /0' 7*6' &.B,6 =06 5*8 $-,' 7,' , ,-' 8/+ .*+,<' 7,' 0/ /4*+?' ,N5-,66*/+Y ' ' 6,+<' =/$' 1=' 5/-G -.*' 5.*+ ,<' *+' 7,' -/3,6' =/$' 7.#,' 6/' /0 ,+' 6,,+' 1,' *+2

[' ="*#B# "0,' (0' %/(1' <(%' "' +' UL
-' (%(=3# "0,' (0' (./' "/;(8-)' <(%' "" ' +' U
-' 6"/' ' <(%' "" ' ++' L' ! ' (./' (%:):*-:.3# "*"":# ' <(%' "' +' L

47,+ =/$ 7,3,6 .+< 1/6 8/--,8 '5,.M,- 7, /$6,/0 (/11/+6 ,#,-4* +,66,< 7.#, /88.6*/+. = .<<-,66,< 1, /+ 7, 7-/+, L

67/$ < 3, 1,+*/+,< .6 .00/-<*+? -,1.B*0M.3 , ,#*G <,+8, /0 7, *+?06 M+/4 ,<?, /02 .+< /0 7, *+ ,-,6 47*87 7, //M *+ 5$3*8 3$6*+,662 *. 7, 1.<, . 5/*+ 4* 7 <<*+? /+ 7. 2 3,0/-, 7, #.8. ,<C7*6 6,. . 7, /.-< /0 -,.6$-=2 8,- .*+ 8 ,-*8. .--,.-6*+ 7. <,5.- G 1,+ 67/$ < 3, 8 ,.-,< /00 0

/-< </+2 * 1.= 3, -,1,13,-,< 7.< 0/-1,- =0 ,NG 5-,66,< .55-,7,+6*/+6 ,6 7, *+?06 -,.6/+ 1*?7 6$8G 8$13 / 7, ,N8* ,1,+ 88.6*/+,< 3= 5.66*+? ,#,+6 H+7.55* =2 7/6, .55-,7,+6*/+6 5-/#,< /3, /+ = //4, 0/$+<,< 7.#, 7.< .+/7,- *+ ,-#*,4 /0<.=2L 4-* ,6 * / 7, (7.+8, /- /+ 7` 7 /0 &.=2 +/ @$* ,2 .1 6/--= /6.=2 6/6. *60.8 /-= .6 7. /0 &/+<.= < /+/ 7*+M 7,-, 4.6 .+= 7*+? 5/6* *#, = 4-/+?2 3$ 7,-, 4.6 . 7$--= /0 65*-* 6 .+< .+ ,N8,66*#, /#, /0 . M*+?2 47*87 67/4,< 7. ,* 7,- 7, .*-*+? 50 7*6 1/-+*+?2 /- 7, 6,,*+? 6/ 1.+= 5,-6/+62 .+< 8/+#,-6*+? 6/ 1$87 <$-*+? 7,6, 7-, , <.=62 7.6 -. 7,- ,+<,< /<*6 $-3 LT -/1 7*6 *1,2 0/- 1.+= 6$36,@$,+ 1/+ 762 . 7/$?7 7, .+? 4.6 .55.-,+ = 6, </1 6/ <*6/-<,-,< .6 /3, 8/15 , , = <*6@$. *0*,< 0-/1 -.+6.8 *+? 5$3*8 3$6*+,662 =, 7*6 1*+< 8/+ *+$,< *+ . 1/6 $+6, ,< 6 . , +7, 0/-1,- /88.6*/+6 /0 7*6 7.#*+? -,8/#,-,< 0-/1 7*6 1,+ . 1. .<*,6 7, 7.< .4/M, *+#*?/-. ,< .+< 87,,-0$ I 3$ $+0/- $+. , =2 *+ 7, 5-,6,+ *+6 .+8,2 7, 4.6 . 5-,= /. 6, ,< 7=5/87/+<-*.8*61 /-1,- =2 47,+ 5-/6 -. ,< 3= * +,662 7, 7.< 3,,+ . 5. *,+8,2 ?,+ ,+,662 .+< 8/+G 6*<,-. */+ 0/- / 7,-6 I 3$ +/4 ,N5-,66*/+62 /0 0-, 0$ +,66

I ("""3"* #(0 (%(1,% ,1.7 (.-(1 E"%%"# (;+-.(%%,.(0-), (8#,)(%/-(-), ."1:,##)*.%(--,(0 E*%,# - (./ (%:),#-,.3# "*.",#<(%""+L - ="##3# "0,(0 "/(1<(%""+UUL

.+< *15. *,+8, /+ = // /0 ,+ ,68.5,< 7*6 *56 7/6, 47/ /#,< 7*1 . 1/6 3,?.+ / 7*+M 7. <*6,.6, 7.< 87.+?,< 7*6 M*+< .+< . 1/6 5,-0,8 <*65/6* */+

4.6 -,1.-M,<2 .6 . 5,8$ *.- 0,. $-, /0 7, *+?06 <*6/-<,-2 7. 7/$?7 7*6 .+?$.?, 4.6 /0 ,+ *+8/7,-,+ 2 .+< 7/$?7 7, 0-,*BE$,+ = 67/4,< 7*16, 0 7.-67 .+< 6$65*8*/$6 *+ 7, 5-,6,+8, /0 7/6, 47/ 4,-, </1,6 *G 8. ,< 4* 7 7*12 =, 2 47,+ 8/+#,-6*+?4* 7 5,-6/+6 47/1 7, 7.< -,.6/+ / -,?.-< 4* 7 <,0,-,+8, /- -,65,8 2 7, -.-, =2 *0 ,#,-2 3, -.=,< .+= 6*?+ /0 1,+ . <,-.+?,G 1,+ /- *+6 .+8,2 . . -*#= (/$+8* /#,- 47*87 7,E5-,6*<,< /+ 7, _ 7 /0 &.=2 7*6 1.++,- .+< .+?$.?, 4/$ < 6,,1 / 7.#,, 3,,+ . 5-/5-*, = .+< 8/15/6$-,I .+< =, . 7*6 #,-= *1, 7*6 *+ , ,8 6 4,-, ,#*<,+ = *+ .1/6 <*6/-<,-,< 6 . , .<= HN3-*<?,2L 4-* ,6 /-< &. 1,63$-= 4/ <.=6 .0 ,-4.-<62 #,-=$+,.6= .3/$ 7, *+? '.*< 7*6 0.1* = 4,-, @$*E,$+7.55=I 7. 7*6 ,15,- 4.6 . ,-,< , 7.< B$6 <*61*66,< **6 0.* 70$.+< 0.#/$-* , 5.?,2 -.$+2 47/ 7.< 6,-#,< 7*1 <$-*+? 7*6 * +,66 4* 7 7, ?-,. ,6 . ,+ */+ Q$*, .+< -,5/6, 4,-, 7, /+ = 87.+8, L0 7*6 6.< .88/$+ 4.6 8/+0*-1,< / /-< &. 1,63$-= /+ 7, 0/ /4*+?<.=2 3/ 7 3= /-< ,13-/M, .+< 3= &-6 .-8/$- 7, *+?2 6.*< 7, . ,-2 7.< <*61*66,< .+< $-+,< .4.=2 .+< 1.<, fe8.G 5-*8*/$6 87.+?,6 ,#,-=47,-,2 0-/1 7, /-< (7.13,- .*+A /7, ?-//16 .+< 0// 1,+ , 7.< $-+,< .4.= 7, Q$,,+6 0.#/1* ,8/.871.+2 1.<, 0// 1,+ ?-//162 .+< .+<2 47. 4.6 6* 4/-6,2 3,8.$6, 1/-, +/ /G -*/$62 7.< -,1/#,< /-<6 /0 7, 3,<87.13,- 4* 7/$.

I (./ ""%.*,#68.7B# "*.",#'<('"<'++'! ' ! ' (#,3# "*."',#'<(%'""'+' U ' -' (./ "")1,#68.7B# "*."',#'<(%' "<' +' ! L' C '-)"# /*7 6,*./ D =."-,# (#,' C-)*-')"* *5,#-7 6*/'/"#;"##,/' .' .*81':,.-*"1%7(1,'(0-),' ; (#-'*--*:),/'0*"-)08%' *1/')(1,#-'#,.<*1-# 6,')*#? *' +*.-":8%*.' 0*<(8."-,' -((' -(' -)"# =,,@',<,1' (=' .' "--'"# -(':*17(1'-),' (<,.1;,1-':.,/"-*6%7'"0'-),' "12'"# -(' 6('"1'-),')*1/# (0 -),'+)7#":"*1#' ':*11(-'/"#:(<,.7 1(.')(=')':*1' =,%' .,"#-B*1'"1A8".7*1/'(>*;"8*9 -"(8 (0'-),'+)7#":"*1#'"0'-)*-' #)*%# 6('+.,##,/'"1'-),' (8#,' 0 (;;(1#D4 E M' 0 '<(%'""'+' U ' ,,' '5N'!L '

'67.</4' /0'-,.6/+ ' 7.'.' 7*6'.*0**8,<7,' /=.' .1*='
3,=/+<1,.6$-, ' 7,'Q$a,+'4.6'*'.+<' 7,' -*+G
8,66,6' /42'<,5-,66,<2' .+<@$*,'6*+M*+?'$+<,-'*'I.+<7.'
$+,66'1,.+6'8/$<3,'0/$+<' /'5.8,'6/1,'#,-='6-/+?0'
1*+<,<'.+<',15,-.,'5,-6/+'.3/$'7,' *+?2'7,'4/$<
,*7,-'8/11*'6/1,',N-.#.?.+8,B'/-'7,'4/$<2'3='#*/,+'
,N,-8*6,'.+<8.-,,66+,662'*+B$-,'7*6'7,. #.+<3-*+?'/+'.'0
<,.<='* +,66 LT

.55*=2'/+'7,' K72' 7,' *+?'4.6'4,',+/$?7'/'
-,1/#,'/'F*+<6/-2'47,-,'7,'-,1.*+,<*'7,' 7' '
67/$<3,'1,+*/+,<7.2'/+'7,'0/-1,-'/0'7/6,'<.=62'
.6'7*6'8.--*.?,'4.6'5.66*+?'7-/$?7' /+2'7,' /+'33=62'
/#,-B/=,<.'7*6'.55.-,+'-,8/#,-=2'+/'/+='?.#,'7*1'
.'-.5$-/$6'-,8,5*/+2'3$'0/ /4,<7*12'4*7'-,5,.,<
-/$+<6'/0'87,,-6'.+<7$>>.62'*'7,'.*?7,<0-/1'7*6'8.-G
-*.?,'*+'7a'@$.<-.+?,'/0'F*+<6/-'(.6,' 7,'+,N'<.=2'
7.55,+*+?'*+'7,'8@$*6,'/0'7*6'-*<,'/'0.'*+'4*7'/+,'/-'
4/'/0'7,'687/.-62'7,'?//<0+.$-,<1/+.-87',+,-,<
0-,,='*+/'8/+#,-6.*/+'4*7'7,12'.+<7,.-*='7.+M,<
7,1'0/-'7,'-,8,5*/+'47*87'7,='7.<?*#,+'7*1' ,'
7.<.4.=62'7,'6.*<2'/#,<' /+2'3$'+/4'7,'67/$<3,'
1/-,'5.-*.'/'7,-'7.+',#,-' '67.'*+'0$$-,2L'7,'
.<<,<2'3,'.+' +*0F,61*+6,-L' '/1,'1/+76'.0,-0'
4.-<62'*+'7,'8/$-6,'/0'.'8/+#,-6.*/+'4*7'&-'/6,'.'
($00+,62'2 7,' *+?'-,#,-,<'/'7,'6$3B,82'4*7'1.+*0,6'
6.*60.8*/+' ,'7.<7-/$?7'*0,2'7,'6.*<2'1.<,'*'.+'
+#.-.3,'-$,'/'6/-,'*+'7*6'1,1/-='7,'3, ,-@$.**,6

I'),' (./#(0'-),' ,/:)*;6,.'=)('=,.,'.,;(<,/'"1' *7' U'=,.,'-%",' *.%(0'
E,#-;,*-)'*1/' (./' ;),.#-'=)(';*/,'.((;'0(.' %%,71(' (./' -' ,%,1#*1/'
)*.%,# (./'./,1
-' (./' *%;,#68.73# "*.",#'<(%'"<'! '! ' MM 3 9' 3 ' 4E"-)' (./'
;/,1'-')"# (00":,' (',>+%*"1,/'-(';,'-)','*=@=*./':.:8;#-*1:,'<"V'-%"*-'-)('
"12')*/'2"<,1',%)*;'-),'-":@'W1# *+-*"1'(0'-),',(;*1'(0'-),'8*./X'="-)(8-'
2"<"12'*17'+.,<"(8#1(-":,'(0'"-'-('"--?-)*-'-)"# =*# +.(<(@"12'*1/'<,>*-"(8#'*1/'
"--'0,%-'"-'#,<,.,%7'7,-'#:*.:,'@1,='*)*-'=*# ."2)-'-('6,'/(1,D4 (./';/(3 9M'
0 '<(%'"<'+'!!U' (.'+*.-":8%*.# (0'-%",',;6*..*##"12':)*12,#;*/,'67')-)('
"12'"1'-),' (7*% (8#,)(%/'*-')"# +,."(/' ' (#,3# "*.",#0(.'!./' -)' -)'
-)'*+/'!-)' *7'<(%'""'++' ! 9 U!

E ‘KKV ‘ ‘ ‘ ‘ !

* +,66 ‘ * ‘ //‘ 47/‘ 6.4‘ **1‘ /+‘ *,‘ 0/ /4*+?‘ <.=‘ .+<‘ 47/1‘ 7,‘ -,8,*#,< 4* 7‘ 5,-0,8‘ M*+<+,662L‘ @$* ,< 7,‘ -/=.‘ 8 /6,‘ *15-,66,< 4* 7‘ 7,‘ 6.1,‘ 0.#/$-.3 ,‘ 8/+G #*8 */+‘ ‘ +‘ 7,‘ 47/ ,2L‘ 4-* ,6‘ /6,‘ ‘ &-‘ * ‘ 7/$?7‘ 7*1‘ -,1.-M.3 =‘ 4, I‘ . M*+?‘ /+‘ . ‘ 6$3B,8 6‘ *+‘ .6‘ 8/ G ,8 ,< .‘ 1.++,-‘ .6‘ 7,‘ 7.< ,#,-‘ M+/4+‘ 7*1‘ /‘ </‘ *6‘ &.B,6 =‘ .1/+?‘ / 7,-‘ 6$3B,8 6‘ . M,< /0‘ /-< -,+#* ,‘ .+<‘ 7*6‘ 0-*,+<6‘ *+‘ ,-16‘ /0‘ ?-,.‘ 1/<,-. */+ LT

7,‘ 0/ /4*+?‘ 3-*,0‘ ,N -.8 6‘ 0-/1‘ /-< (/87,6 ,-06‘ *.-=‘ .00/-< 0$- 7,-‘ ,#*<,+8,‘ /0‘ 7,‘ *+?06‘ ,15/-.-=‘ 8/+G #. ,68,+8,‘ Y

‘ 9 /‘ M ‘ . Y /-< F* /+‘ 6.*< 7,‘ *+?‘ 4.6‘ 1$87‘ 3, ,-‘ =,6 ,-<.=‘ 7.+‘ 47,+‘ 7,‘ 6.4‘ 7*1‘ 6/1,‘ <.=6‘ .?/‘ ,‘ 7.6‘ 4-* ,+‘ 6/1,‘ #,-=‘ .3 ,‘ , ,-6‘ 5.- *8$.- =‘ /+,‘ /‘ /-< .--/47=‘ $5/+‘ 7,‘ 8/+<$8‘ /0‘ 8/--,65/+<G ,+8,‘ 4* 7‘ /-,*?+‘ /4,-6

c‘ x Y 7,‘ *+?06‘ 3*- 7<.=‘ ‘ -.4*+?‘ //1‘ .‘ 47*87‘ 7,‘ Q$,,+‘ .+< -*+8,66,6‘ 7$‘ +/‘ 7,‘ *+?‘ 4E,-,‘ 5-,6,+‘ 7,‘ -*+8,‘ 4.6‘ +/‘ 7,-,‘ 7$‘ <-/#,‘ 7-/$?7‘ 7,‘ 6 -,, 6‘ $5/+‘ 7,‘ 8/.8707/N‘ /0‘ 7*6‘ 3.-/$87,‘ 7,‘ -*+G 8,66‘ /0‘ F. ,6‘ 4.6‘ 7,-, L‘A‘ /-< &. 1,63$-=‘ .6/‘ 1,+G */+6‘ 7.‘ 7,‘ *+?‘ 4.6‘ +/‘ .‘ 7,‘ -.4*+?‘ //1‘ 47*87‘ 4.6‘ ‘*11,+6, =‘ 8-/4<,<fL‘ 3$‘ 7,‘ .<<6‘ 7.‘ 7,‘ ‘8/+G *+$,6‘ 4, ‘ .+< 1,+<*+? L‘[e

+‘ 7,‘0/ /4*+?‘ <.=‘ 7,‘ *+?‘ .0 ,-‘ 7/ <*+?‘ .‘ (/$+8*‘ 4.6‘ 4, ‘ ,**/$?7‘ /‘ ?*#,‘ .$<*,+8,6‘ *+‘ 7,‘ -/=.‘ 8 /6,‘ /‘ #.-*/$6‘ 5,-6/+6‘ .1/+?‘ 47/1‘ 4.6‘ /-< ,7.1‘ 47/‘ 8.1,‘ /‘ <,*#,-‘ $5‘ 7,‘ ',.6‘ /0‘ 7,‘ (7.+8, /-67*5‘ /0

‘ /-<‘ &. 1,63$-=06‘ *.-*,6‘ #/ ‘*#‘ 5‘ ‘ ‘ /6,06‘ *.-*,6‘ #/ ‘**‘ 5‘ 9W

‘ (./‘ (%:),#-,.B# "*.",#‘ <(%‘ "‘ +‘ L ‘ C -‘ =*#‘ @1(=1 D =.“-,# (./‘ -*1)(+,‘ C-)*-‘)“# *5,#-7‘ =*# #-.":-‘ “1‘ .,A8“.“12‘ -),‘ *--,1/*1.,‘ (0‘)“# 0* ; “%7‘ *1/‘)(8#,)(%/‘ *-‘ -),‘ .*=“12‘ ((;‘),%/‘ ,<,.7 7,*.‘ “1‘ %“(1(8.‘ (0‘)“# 6“.-)9/*7‘ (1‘ -)(‘ U-)‘ (0‘ 81,‘ 1‘ U‘ 1(-‘ (1%7‘ /“/‘ -),‘ .“1:,‘ (1‘ -)*-‘ /*7 .,; *“1‘ *6#,1-‘ 0.(;‘ (8.-‘ 68-‘ -(‘ +.(<,‘ -%“*-‘)“# *6#,1:,‘ =*# 1(-‘ (=“12‘ -(‘ “1/“#“5(#“-“(1‘),‘ /.(<,‘ -).(82)‘ -),‘ #69,,-# 8+(1‘ -),‘ :(*:)96(>‘ (0‘)“# 6*.(8:),‘ ,<,.-),%,##‘ *‘ .,:(1:“%“*-“(1‘ =*# /,#“.,/‘ 67‘)“# (=1‘ 0.“,1/# 1# ; 8:)‘ (#67‘ -)(‘ “12B# “ ‘ E &)‘ * ‘ ‘ ‘ ‘<(%‘ “<‘ +‘

[‘ /-<‘ &. 1,63$-= 6‘ *.-*,6‘ #/ ‘*#‘ 5‘

7, $87= /0 .+8.6 ,- 7, 1/1,+ 47,+ 7, 4.6
.3/$ /5-,6,+ 7,12 7, *+?6 /55,<7*1   ,0/-,2L
7, 6.*<2   8.+ . /4 =/$ / ,15 = 7.+<62 =/$
1$6 ,15 = . 7, 6.1, *1, 5-,6,+ *+?7*1
4*7 7, ' *8M /0 (.5 .*+ /0 7,) ,/1,+ /0 7, 0$.-<
  4* 3, ,66 . 6*+,8$-, 7.+ 0/-1,- =2L .<<,< 7,
*+?2 .6 *+ ,+< *#*+? 1/-, 4*7 1=0?-,. /00*8,-6 L
  (/$+8*2L 4-* ,6 /6,2 4.6 7*6 <.= 7, <. 7,
Q$,,+06 /$6,2 5-,#*/$6 = / 47*87 7,-, 4.6 . 6/- /0
5-*#. , ,#,, 7,-,2 . 47*87 M*66,<7*6 &.B,6 =06 7.+<
.6 A/*+ .=1.6 ,-0 ,+,-. 7*6 4.6 7, 0*-6 *1,
7.<6,,+ 7, *+?6*+8, 7*6 -,8/#,-= , 65/M, /0 1,
0/- .3/$,+ 1*+$,62 .+< +,#,- 6.4 7*1 1/-, ,+ *-, =
4, I 5,-0,8 = 8/15/6,< .+< 8/ ,8 ,<I *0 .+= 7*+?2 ,66
7$--*,< *+ 7*6 1.++,- 7.+ 6. , .M,< / 1,
87*,0 = .3/$ 1= 0.1* =2 0/- . /0 47/1 7, *+@$*-,<4* *
?-,. M*+<+,66I 7$ 7,-, 4.6 +/ .55,.-.+8, /0 .+= $+3,G
8/1*+?0.1* *.-* = L0
  + 7, 0: 7 /0A$ =2 . , ,- 0-/1 /-< ,+ ,= / /-<
**8 <.+< ?*#,6 . #,-= 0.#/$-.3 , .88/$+ /0 7, *+?06
7,. 72T .+< /+ 7, 96 7, 5-/-/?$,< .-*.1,+ *+
5,-6/+ , //M,< ,N-,1, = 4, 2L 4-* ,6 /-< (/G
87,6 ,-2 .+<-,.< 7, '5,,87 4, 2 4*7 ?-,. .+*1.*/+2
7$ .88*<,+ . = $-+,< /#,- 4/ ,.#,6 /?, 7,-2 .+< 6/
/1* ,< .3/$ /+,00/$-7 /0 7*6 *+ ,+<,< '5,,87 7.5G
5,+,<2 7/4,#,-2 7. 7, -.+6* */+ 4.6 +/ *+8/7,-,+2
.+<* ,68.5,<6/1, /0 7, (.3*+, 47/7.<7,.-<* 3,0/-,
7, *+?<, *#,-,<* L[7, *+?2L 4-* ,6 /-< /3.-
/ /-< $8M .+< 4/ <.=6 .0 ,-4.-<62 8,- .*+ = //M,<
4, .+<87,,-0$. 7, /$6, /0 /-<62 .+< 4* -,5/-
/ =/$ 47. 7*+M /0 7*1 /+ 1= -, $-+20-/1 F*+<6/-

I (./ *%;,#68.7B# "*.",#<(%"<+ !!!!U
- (#,B# "*.",#<(%""5N F
" 8,@%*""/ (..,#+(1:%(1,:<(%"<+ !
Z 5(./ (%,),#%,.B# "*.",#<(%""+L

/+' '$+<.=' '-,8/+8**. */+' 3, 4,,+' 7,' *+?' .+<' 3,' -*+8,2 0/-' 7,'5$-5/6,' /0' 5-,#.** *+?' $5/+' /-<' &/*-.' /' .M,' /00*8, Y5-/3.3 =' 7,' /-<' *,$,+.+8=' /0' -, .+<2 4* 7' *,-+,=' 0/-' 7*6' ',8-, .-= Y*6' B$6' +/42' '8/+8,*#,2 7,' /3B,8' . ' 47*87' &-' * ' *6' 4/-M*+?2 l' .+<' *0' * ' 8.+' 3,' . .*+,<2 1$6' 7.#,' 7,',00,8' /0' 8/+6*<,-.3 =' 6 -,+? 7,+*+?' 7*6' -/#,-+1,+ L

.#*+?' +/4' -.8,<2 7,'5-/?-,66' /0' 7,' *+?06' 7,. 7' <$-*+?' 7,' 1/+ 76' /0' &.=2 A$+,2 .+<' A$ =2 7,'5-,6,+' 6,,16' /' 3,' .'5-55,-' 5 .8,'0/-' *+ -/<$8*+?' .'0,4'65,8*1,+6' /0' 7,' +/ ,6' /-' , ,-6' 4-* ,+' 3=' 7,' **+?' . ' 7*6' .+N*/$6' 6,.6/+' 7,' 4/' 0*-6' , ,-62' .<<-,66,<' /' /-<' (.6 ,0' -,.?72 7,+' -,6*<,+' /0' 7,' /.-<' /0' (/+ -/2 4* ' 3,' 0/$+<' 5,8$ *.- =' *+ ,-,6 *+?2' .6' ,#*+8*+?' 7. ' 7,' *+?' 5,-1* ,<' +,* 7,-' 1,+ . ' +/-' 3/<* =' * +,66' /' *+ ,-0,-,' 4* 7' 7,' -.+6.8 */+' /0' 5$3 *8' 3$6*+,662' /-' 7*6' -,?.-<' ' 7,'5$3 *8' *+ ,-,6 6

' : ' ' 1 3 ' 43 S

$GA &C'U%2%K 0 & ' .. /9; _

C),' "12')*# 1(' /(86-' -)*-' ,<,.7' +(##"6%,' *--,1-"(1' =)":)' :*1' ="-)' +.(+.",-7 6,'#)(=1' -(' -),' ;+,.(.'(0')"1*' ;8#-

I' 8:@%*1/' (..,#+(1/,1:,'<(%'"<'+'
-')"#' %,--,.' "-' #)(8%/' 6(' ;,1-"(1,/' "#' -),' 0".#-' (0' *' #,.",#' (0' 81+86%"#),/' %,--,.#' */ /.,##,/' 67' ,(.2,' -),')". /' -(' -),' :,%,6.*-,/' #-*-,#;*1' (6,.-' $"#:"81-' *#-%,.,*2)' *0-,.=*./# #,:(1/')%*.A8"#' (0' (1/(1/,..7'),' (."2"1*%#' (0' -)(#,' %,--,.#4 *# -)0' *8-)(.' =*# "10(.;,/' #(;,' 7,*.# *2(' 67' -),' +.,#,1-' *.A8"#4 =,.,' %(#-' (1' -),' (::*#"(1' (0' -),' #)"+=.,:@' (0' -),' ,00,:-# (0')"# %(./#)"+3# 0(.;,' -8-(.' .' 8.1,.' "#)(+' (0' *%:8--*' =)(')*/' .,:,"<,/' +,.;"##"(1' -(':*..7' -"",;' ="-)')";' 0(.'6"(2.*+)":*% +8.+(#,#'-(' 1/"*' (.-81*-,%7':(+",# (0' -),;')*/'6,,1'+.,<"(8#%7' +%*:,/"1'-),')*1/# (0' -),'%*-,' .' .(@,.'-('*##"#-'1'0(.;,"12'*#':(;+%,-,'*':(%%,:-"(1' *# +(##"6%,' (0' -),' %,--,.#*1/' 1(-,#*//.,##,/' 67' ,(.2,' -)(')". /'-(')"# #:<,;,%
"1"#-,.#' (' -)"#%*8/*6%,'(65,:-' -),'.,*/,'"#"1/,6-,/'0(.'-),'.'*++,*.*1:,'"1'-),#,' <(%8;,#'*# *%#(' 0(.' -),'*++,*.*1:,'0(.' -)(' 0".#-' -";,'(0' -),' "123# %,--,.#-(' (./# E,7;(8-)'P 1/ (=,'*1/9(-),.'/(:8;,1-# (0"1-,.,#-' 7'-),'%*-,' "12'(0' *1(<,.' *1/367' (-),.'=,R9;#),.#-(' -%",' "123# ;,;(.7';8:)' "1-,.,#-' #,,;#-(')*<,'6((1' -*@,1' "1'-)"# +.(+(#,/' :(%%,:-"(1'? "-' 6,"12',<"/,1-%7'-),"." (+"1"(1' *# "-' ="%%' *%#(' +.(6*6%7'+.(<,'-(' 6(' -),' (+"1"(1' (0' (-),.#'-)*-' #8:)' *' +86%":*-"(1' =(8%/' 2('0*.'-(' .*"#,' "1'-)(' ,#-";*-"(1' (0'-),' +86%":'-),' "123# .,+8-*-"(1'0(.' *6"%-7'"1/8#-.53' *1/' 58/2;,1-' (+"#,# (0'-),' "123# %,--,.#-(' (./#)*-)*;' (:@"12)*;' *1/' *%"0*>' =,.,' *%#(' +%*:,/"1' .' .(@(.3#)*1/# 67' -%",'+(##,##(.# (0'-),' (."2"1*%#' 68-' -),7')*<,'#"1:,'-),1' ;*/,'-),"."*++,*.*1:,'"1'(-),.'+."1-,/'=(.@#

6, *--,1/,/ ="-) "1/8%2,1:,# (1)"# +*.- -((8. -.*/, ="-))"# #865,:-# - =,., ;8:) -(6, ="#),/ 0(.-), */<*1-*2, (0 -)"# :(81-.7 -)*- -), -,..-(.*% +(##,##'(1# (0 -), *#- 1/"* (;+*17 =,., ;*/, (<,.- -(-)"# @'12/(; *1/ -), (;+*17 *%(1, 6, ,12*2,/ "1 +8.#8"12 -),".:(; ;,.:"*% :(1:,.1#

P), "12 -*@,# _-)"# (++(.-81"-7 (0 *##8."12 (./ *#-%,.,*2) ="-) 2.3,*- -;.-) -)*-), -)"1@# "- 6(-) ")"2)%7 */<*1-*2,(8# -( )"# #,.<":, *# =,%% *# +,.#(1*%%7 *2.,*6%, -( )" ;#,%0 -)*- (./ *#-%,.,*2) .,;*"1# *- -),),*/ (0 -), 1/"*1 (*./ - .,A8".,# * ;*1 (0 -*%,1-# *1/ *6(<, W*%%X * ;*1 (0 * :*%;- -, ;+,. *1/ 1(- =*1-"12 (0 0". ;1,## *# -), "., :-(.# *., ,<,. /,#".(8# (0 2,--"12 ."/ (0 * :8.6 -(-),". "1-,.,#-,/ <",=#

!)

C 4 . (-,8> "# =.(12%7 "10(.;,/), "12 1,<,. #"21#)"# 1*;, *9-(+ -(%,--,.# 68- *#),)*# /(1, (1 -), +.,#,1- (::*#'(1

0 L

: 1 3 4

C%& ' '( ) $ 'd# 9 !./

C), "12 "# #(+%,*#,/ ="-) -),)*1/#(;, *1/), ;*7 W#*7X *--*:),/ 1(-,),.,:,"<,/ -), %*#- ,<,1"12 0.(; (./ '"#-%,9 .,*2) -)*-), :*11(- .,0.*"1 0.(;, >+.,##'12 -), #*-"#0*:-"(1 "-)*# 2"<,1)"; "# *5,#-7 ,<,.)*# %(((@,/ 8+(1 -), 2((/1,## (0 -), +."<*-, :)*.*:-,. *# -), (1%7 :.-,."(1 (0 -), 8-"%"-7 (. /*12,. (0 -), *6"%"-",# (0 *17 ;*1 -(-), :(81-.7 (./ *#-%,.,*2)3#)*# ,<,. 6, ,1 +.*"#,=(.-)7 *1/ 0(.-81*-,%7),)*# ,<,. 6, ,1 6.,/ 8+ * 0.",1/ -(2(((/ 2(<,.1 ;,1- *1/ -),.,0(.,), :*1)(%/ 8+)"#),*/)*<"12 1(0(.;,. (+"1"(1# -(0(.2,- 6,0(.,), :*1 -*@,)"# -.8, %"1, =)":) ,<"%)*12# ,<,. * =,"2)- .(81/ -), 1,:@ ;(#- "1:(1<,1",1-%7 -(#(;, +(%"-":"*1#

C), "12)*/ ,<,. * 2.,*- .,2*./ 0(. -), %*-, *.A8"# (0 ,.-0(./ =":) ,<,. "1:%"1,/)"; -(#,, ="-) * 0*<(8.*6%, ,7, -), :(1/8:- (0 (./ *#-%,.,*2) / *1/ ;*@,#)"; .,5(":, -)*- (./ *#-%,.,*2)3# #,.<":,# "1 -), (8#, (0 (;;(1# *., 1(- +.,:*."(8# *# -),7 =(8%/)*<, 6,,1)*/ -), *.% (0 (1/(1/,17 6,,) :.,*-,/ * ."-"#) ,,.

C (-)"12 :*1 6, ;(., +.(+,. -)*1 -), :(1/8:- (0 -)*- <*%8*6%,

/ (./ 1#-%,.,*2) =*# 2.*1/#(1 -(-%",- -),1 %*-, (./ ,.-0(./) "# ;(-),. 6,"12 */7 *.*) .*1:,# ,7;(8. /*82)-,. (0 .*1:"# 0".#- *.A8"# (0 ,.-0(./ -)(1(6%,;*1 -(=%"(;-), "12 .,0,.# (./ ,.-0(./ /",/ U-) 81, U

7,' Q$,,+' 7.<' $-?,<' 7,-' 8/+6/-' /C4-* ,' /C 7*6' ,00,8 2'
<*-,8' /' 7,' -*+8,' 7*16, 0' 7$' 7*6' 7,' 5/6* *#, =' <,G
8 *+,<' </*+?' D ,' 4/$<+,#,-' .?.*+2' 7,' /<7,-2' 4-* ,'
/' .+=' /+,' 47/' 5$3 *67,<' 7*6' , ,-6

+' 7,' -<' /0' $?$6 2' 3,*+?' 7,' <.=' 5-,#*/$6' /' 7,'
<,5.- $-,' /0' 7,' (/$-' 0/-' F,=1/$ 72' 7,' *+?2' .6' 4.6'
7*6' 8$6 /1' 47,+' /+' 7,' ,#,' /0' 6, *+?' /$' /+' .' B/$-+,=2'
5-,6,+ ,<' 7*16, 0' /+' 7,' ,--.8,' .' F*+<6/-' 0/' 7,' 5$-G
5/6,' /0' ,N87.+?*+?' M*+<' 4/-<6' /0' 0.-,4, ' 4* 7' 6$870'
5,-6/+6' #7/1' 7,' /#,<' .+<' -,65,8 ,<2' .6' 4,-,' 7,-,'
/' 5.=' 7,*-' -,65,8 6' /' 7*12' .+<' /' 4*67' 7*1' .' 5-/6G
5,-/$6' B/$-+,=' 7,' 0/ /4*+?' 1/-+*5?' 7,' -/=.' 5.-=' '
6,' /$' 0-/1' 7,' Q$,,+0' /<?,' ' ,8M0*, <' ,. 72'
7,'=6 /55,<' /' <*+,' .' '*-' F* *.1' * 02' .$<' .0 ,-' 7.=*+?'
6$55,<' .' 7,' ' .-' .+<' .- ,-' .' +</#,-2' -,6$1,<' 7,*-'
B/$-+,=2' -.#, *+?' .' +*?7 2' /' F,=1/$ 7' 7/$?7'
' 4.6' 6/' .,' .6' 0#,' /08 /8M' *+' 7,' 1/-+*+?' 47,+' 7,'
+?' .--#,<' .' 7*6' <,6 *+. */+2' 7,' 4.6' +,#,- 7, ,66'
/' 7,' 6,,+2' 6//+' .0 ,-' 6,#,+2' /+' 7*E' 0.#/$-*,' 65 .G
+.<,2' -,B/*8*+?' 7,' #*6* /-6' .+<' *+7.3* .+ 6' /0' F,=G
1/$ 7' 4* 7' 7*6' ?//<07$1/$-,<' 61*,62' .+<' 5 ,.6.+' 3/46'
/0' -,8/?+* */+' 0 ,-' 3-,.M0.6' 7,' 1/$+ ,<' 7*6' 7/-6,'
.+<' *+65,8 ,<' 7,' .+/#,-*.+' ,?*/+22' .+<' *+2' 7,' .0 ,-+5/*I*
-,#*,4,<' 7,' ,-1.+' ,?*/+22' 7,' '/1,-6, 6 **-,' &* * *.2'
.+<' F,=1/$ 7')/$+ ,,-6' 7,' <.+?,-' K0' *+#.6*/+' 4.6'
.' 7*6' *1,' .6' *1 1*+,+' .6' ,#,-2' .+<' .88/-<*+?=' /' 0,4,-'
7.+' 0/$-' 7/$6.+<' -//56' 4,-,' 6 . */+,<' *+' 7,' +,*?7G
3/$-7//<0/-' 7,' 5-/ ,8 */+' /0' 7,' .+?06' 5,-6/+I' 47* ,2'
+' .<< */+' /' 6,#,-.' 61. ,-' #,66,6' /0' 4.-2' 4/' 0-*?. ,62'
7,' P -,68,+' C.+<' P* / $62C-/<,' *+' 7,' 3.=' ' 4.6' 5/6G
6*3=' .3/$' 7*6' *1,' 7.' 7,' *$?' .<<-,66,<' 7,' 0/G
/4*+?' $+<. ,<' , ,- /' *67/5' $-<2' .?.*+' 6*?+*0=*+?'
7*6' *+ ,+ */+' /0' -,1/#*+?' 7,' Q$,,+' .+<' -*+8,66,6

/ 7, 5*68/5. . .8, /0 F/-8,6 ,-2 *+ 7, ,#,+ /0 .5/ ,/+ ,00,8*+? .6$88,660$.+<*+? /+ 7, 67/-,6 /0 +? .+<

' " (6 7 1 "

& = *' 2

C -)*# 6,,1-)(82)-67#(; , (0 ; 70.",1/#-)*-"-="%% 6, 1,:,##*.7-(., ; (<, ; 70*;"%7)(8%/ 6, 81/,.-), +*"108% 1,:,##"-7 /(1(- :1(=)=),., :(8%/ +%*:,-), ,="-)#(; 8:)#*-"#0*:-"(1-(; 7#,%0*1/";/,. .(<"/,1:,"<"-)#(; 8:)#,:8."-7*# ="-)7(8.#,%0*1/ ; 7 ,1/#*-E(.:,#-,. -/(,#1(-*++,*.-(6, +.(6*6%,-)*-),.,="%% 6,*17(::*#"(1 0(."-0(. /(1(--)"1@-), 81)*++7 ;*1=)(-).,*-,1#="%% /*.,-(<,1-8.,)";#,%0*;(12 8# 1,"-),./(="#) 7(8-(;*@,*17+.,+*.*-"(1 0(.8# 68- -)(82)-"-."2)-(2"<,7(8-)"#"10(.;*-"(1

C .,;*"1 ;7/,*.2((/ "#)(+

!) G-

$-*+? 7, *+?0 6 .= . F,=1/$ 7 7,7.< 7, .55,.-G .+8,/0 3,*+? *+,N8, ,+ 7,. 7.+<65*-* 6 F 7, 7,-@$,6G */+*+? 7,8/1 1/+6.* /-/+ 7,6$3B,8/0 7*6+/3 ,5-/0,6G 6*/+ 47, 7,-<*68$66*+? 4* 7.+.#./00*8,-6 7, 7-,. ,+*+? 5-/65,8/0 *+#.6*/+ 47, 7,-<*68/$-6*+? .3/$.?-*8$ G $-,4* 7 7, /-6, 67*-,0.-1,-62 /-8/+#,-6*+? *+ ,-1.+ 4* 7 7, /00*8,-6 /0 7, 0/-,*?+ ,?*/+62 ,/-?, 7, 7*-<2 .6 6.2 4/+ . 7,.- 6 3= 7*6 $-3.+* = .+< M*+<+,66 6 6.2 //2 7, +,#,- 6,,-+,< / 3, *< , 0/- . 6*+? , 1/1,+ 7, 7/$-6 *+ 47*87 7, 4.6 +/ ,+?.?,< *+ 3$6*+,66 4,-, ,15 /=,< 3= 7*1 *+ -,#*,4*+? 7, -/ 56 /- *+ 4* +,66*+? 67.1 0*?7 6 *+#*6* *+? 5 .8,6 /0 *+ ,-,6 *+ 7, +,*?73/$-7//2 /- *+ 15 ,.6.+ ,N8$-6*/+6 /+ 7, 4. ,- $-*+? 7*6 #*6* 2 F,=1/$ 7 6,,16 / 7.#,3,,+ /+,68,+,/0 ?.*, = 7, .++*#,-6.-= /0 7*6 0/- =06,8/+< 4,<<*+?0<.=2 7, ; 7 /0 ',5 ,13,-2 7, 8, ,3-. ,< 3= . 0, ,5-,6*<,< /#,-0 3= 7, -*+8,66 *>.3, 72 0/ /4,< 3=

I B0.(;-),(."2"1*%0(. ; ,.%7"1-),+(##,##"(1 (0-),%*-, "#)(+ *.."12-(1

7/$6,4.6*+#*,4 0/-+,.-.1*,3,0/-,7,8.--*.?,6 8.1,/7.65/2.+<3,*,#,7*6&.B,6=7.<+/*8,<*2 .+<7.<1.<,6/1,*+@$*-*,6.3/$***6&.B,6=06 B/$-+,=3,*+?1.<,M+/4+21.+=5,-6/+64,+/$/08$-*G /6*=/6,,7,8.#.8.<,5.663=I.+<2.1/+?/7,-621=4/+*,8,6.+<4,-,6.+<*+?+,.-7,5.8,47,-,7, -/.</+,<247,+7*6&.B,6=06 8.--*.?,6$<<,+=6/55,<2 .+<.7/-6,1.+-/<,$5/$62 47/1**11,<*.,=M+,4 /3,/-<F.6*+?7.12.+<7,M+,41,L*6 /-<67*52L5-/8,,<6 7,-,#,-,+<?,+,1.+2.0,-.67/-< <*?-,66*/+2.<<-,66*+?1,4*7.61*,/+7*6 8/$+,G +.+8,26.*<YP *6&.B,6=4.+6/65,.M/=/$7, 4.+6/6,,47,7,-=/$-5*8$-,..?//<7M,+,66C 4.6 1$87 8/+0$6,<.7*6+/*8,2.+< 4.6 7.6,+*+?/4.-<6 7*6&.B,6=06 8.--*.?,247,+ /36,-#,<.0.#/$-*,7,<2/?/0 1=+*,8,6-$++*+?$+<,-7,47,,6/0.+/7,-8.--*.?,247*872 4*7 6/1,<*00*8$=2-,,.6,<.+<//M**$5*+1=.-162.+<*+ 7.6*$.*/+5-,6,+,<1=6,0.7,6*<,/07*6&.B,6=06 87.*6,

6&.B,6=#,-=?-.8/$6=3,?$+.08/+#,-6.*/+ 4*7 1,3=.6M*+?1,*0 7.7/$6,25/*+*+?/**24.6 +/1*+,S.+64,-,<7*6&.B,6=7.*0 4.6,/36,-#,<7.**4.6 5,.6.+=6*$.,.+<.55,.-,<.?//</<1.+6*/+*+0/-1,<7*6&.B,6=7.**4.6 3$* 3=1=0.7,-,,.*<7.7,7/$?7**1$6 7.#,3,,+1$87/<,-2.+<7,+#,-=@$*8M=.<<,<YP F.G 6*+?7.1, 6 1,7.=/$.-,.3/$/(.13-*<?,67*-,C .+64,-,<2P),62Y.+<5,.6,=/$-&.B,6=</**0/--,.6/+6 4*7 47*87 *0=/$-&.B,6=4.6 8@$.*+,<2 7*+M=/$4/$<+/1$87 3.1,1,C ,*+6.+=6.*<Y P M+/4Y M+/4.C +<7,+2//M*+?,.-+,6=.1,2 7,6.*< /-<F.6*+?7.1YP ,.87 7.6</+,*$6*8,***6.?//<*M,+,66Y.?//<5*8$-,C E7,+02

/5 <+?' . ' 1,' .?.*+' 4* *' .' 61* ,' ++' **6' 8/$+ ,+.+8,'
6.*<0E' +' =/$-' 5*8 1C,' =/$' .-,' <-.4+' 4* 7' .' 7//M' *+'
=/$-' 7.+<' 3$' +/4' =/$' 7.#,' .' </?Y.' 5 ,.6.+ ,-' 8/1G
5.+*/+' '6$55/6,f 0/-' F . 6*+?7.1' 7.6'*+0/-1,<' 1,' 7. '
=/$' .-,' .' 65/-61.+' ' *+' 87.-.8 ,-' ' 0*+<C +<'
1 1,<. , =' 7,' ? .66' 4.6' <-.4+' $5' .+<' 7,' 8.#. 8.<,'
5.66,<' /+L'

+' 7,' 7' /0' 8 /3,-' 7,' *+?' //M' 7*6' <,5.-$-,'
0-/1' F,=1/$ 7' .+<' /+' 7,' 6.1,' .0 ,-+//+' .--*#,<' .'
&-' /6,06'6,. ' ($0*7, 6' 4* 7' 47/1' 7,' 7.<' .--.+?,<' 7. '
7,' Q$,,+' 7,' -*+8,66,6' .+<' 7*16, 0' 67/$<' 5.66' .' 0,4'
<.=6' /+' 7,' -, $-+' /0' 7,' (/$-' /' F*+<6/-' ' *6' &.G
B,6 =2L' 4-* ,6' 7,' ?-. *0*,<' 7/6' ' .--*#,<' . ' ($00**, 6' 0-/1'
F,=1/$ 7' .3/$' 0/$-' *+' 7,' .0 ,-+//+' 7,' $M,' /0'
($13,-.+<06' -,?*1,+' /0' *? .' -.?//+6' .+<' 1=' ,<,6'
6/+06' -,?*1,+' /0' '/$ 7' .+ 6'),/1.+-=' (.#. -=' -,8,*#,<'
7*6' &.B,6 =' /+' 7,' -/.<+,.-' ' /+=' (-/66' .+<' *+' 7,' 5.-M'
.' ($00+,H6' 7,' 4.6' -,8,*#,<' 3=' 7,')/$+ ,,-6' *+' 7,'
+,*?73/$-7//<' .1/$+ *+?' /' .3/$' 9; ' 7,' Q$,,+' '
. ' 7,' -*+8,66,6' .+<' 7,' $M,' /0' (.13-*<?,' .--*#,<' .'
7,' 6.1,' *1E' .+<' 0/$-' .<*,6' . ,+<*+?' 7,' Q$,,+' .+<'
-*+8,66,6' #*> ' .<=' 6.3, .' 7=++,' .<=' ,/-?*+.'
$8M,=' .<=' &.*<.' F=+=.-<' .+<' .<=' 87,6 ,-' '
<*+,<' 4* 7' 7,*-' &.B,6*,6' .+<' *+' 7,' ,#,+*+?' 4.6' /0' 7,*-'
8.-<05.-=' .+<' .0 ,-4.-<6' 6$55,<' 4* 7' 7,1 L0

$-*+?' 7,' .+?06' 6 .=' .' ($00+,H6' 7,-,' 4.6'+/' .'<.='
3$' 7,' ,* 7,-' -/<,' /-' 4. M,<' 4* 7' 7*6' 7/6' /+' 47*87' /88.G
6*/+6' 7*6' &.B,6 =' ,+ ,- .*+,<' 7*1' 4* 7' 1.+=' *+ ,-,6 *+?'
5.-*8$.-6'-, .*+?' /' 7*6' *0,' .+<' -,*?+' 7,' ,#,+*+?6' 4,-,'
5.66,<' *+' 7,' 6/8*` =' /0' 7,' Q$,,+' .+<' -*+8,66,6' ' ' 4.6'
8/+6 .+ =' .' .3,2L' 4-* ,6' &-' /6,' ' 4* 7' 7,' /=.'
.1* =' 47,+' 7,=' <*+,<' 7,-,' .6' 4, ' .6' ,#,-=' +*?7' .' 6$50

5,-2 .+<,#,-=,#,+*+?. 8.-<6 L 7$6. 4,+ /+61// <= * 7, <.=5-,#*/$6 /7, <,5.-$-, /0 7, (/$- 0-/1 ($00+, 62 47,+2 .6 7, *+?4.6 -*<*+?6*<,3=6*<, 4*7 7*6 7/62 .+ *+8*<,+ /88$--,< 47*87 *6 4/-7= /0 3,*+? -,8/-<,< 0 /-< /-72L4-* ,6 &- /6,2 7*6 &.B,6 = 4.6 3,?*++*+? /65,.M *+ #,-= 0.#/$-.3 , ,-162 47,+ 4, 4,-, *+ ,--$5 ,< 3= 7, -*+8,66 1, *.2 47/ 4*7 7, / 7,- -*+8,66,6 4.6 -*<*+? 3,7*+< $62?, *+? . 1/6 $+0/-$+. , 0. 7, 7/-6,2 /+ 8.+ ,-*+? </4+ .+ *+8/+G 6*<,-.3 , 7* 2 8.1, /+ 7*6 7,.<2 .+< 7-,4 7,- /=. *?7+,66 0 . /+ 7,- 0.8, '7, -/6, 4*7/$.+= .55,.-G .+8, /0 3,*+? . . 7-23 ,#*<,+ = .?//<,. 67.M,+2 .+< +/ 4*76 .+<*+? .+ ,.-+,6 4*67 /.#/*< /88.6*/+*+? 7, 6*?7 ,6 . .-12 4.6 7,-6, 0 +/ <,6*-/$6 /0?, *+? /+ 7/-6,3.8M .?.*+ $ 7, *+? *+6*6 ,< 7. 67, 67/$ <2 *0 . . 7$-2?, *+ / /+, /0 7`8.--*.?,62 .+< -, $-+ / (\$00+, 6 /3, 3 ,<2 /- /7,-4*6, 1/$+ .+/ 7,- 7/-6,2 .+< -*<, /+ '7, 87/6, 7, . ,-2 .+< -/<, / ' /$7.15 /+2 47,-, 67, /6 6/1, 3//< $+M+/4+ /7, *+? 7.G >.-<,< .+ .<#*8,2 7. +/ /+, , 6, 4/$ < </2 0/- 7,- /=. *?7+,6665 -, $-+2 47*87 4.6 8,- .*+ = +/ 4, -,8,*#,<2 .+< 5-/#/M,< .@$*8M+,66 0-/12 7*6 &.B,6 = 7. N5,G -*,+8,< *+ +/ /7,- *+6 .+8, , /36,-#,< 7. 7, 8/$ < +/ 3,.- 7. .+= /0 7*6 0.1* = 67/$ < 4.+ 8/$-.?, / 47*87 -,5 *,< 7/5,< 7*6 &.B,6 = 4/$ < ,N8$6, 1, *0 6.*< 7/$?7 .5-/5,- . ,+ */+ /5-,#,+ 7, * ,00,8 6 /0 .+ .88*<,+ 7. 7.55,+,<2 4.6 +/ 6=15 /1 /0 .4.+ /0 8/$-.?, , 7,+ 6.*<2 4*7 6/1, 4.-1 7Y P ,-7.56 * 1.= 3, 6/ 3$ 7.+M ,.#,+ 7,-, *6 3$ /+, /0 1= 87* <-,+ 47/ 4.+ 6 8/$-.?, .+< 4* +/ +.1, A , 8 /4+ 4.6 <,,5 = 5.*+,< . 7, /36,-#. */+2 .+< <-/55,< 3,7*+< /65,.M / ,+,-. * >-/=2 47*87 ?.#, . $-+ / 7, 8/+#,-6. */+ L + 7, +< /0 /#,13,- 7, *+? //M 7*6 <,5.- $-,

0-/ 1 ($00+, 6 .+< .0 ,- 6 /55*+? /<*+, 4* * *, *6*/5 /0 F*+87,6 ,- . .-+7. 1 (.6 , .--*#,< 7, ,. 1, ,#,+*+? . F*+<6/-

4.6 47* , 7, *+? 4.6 6 .=*+? . ($0 7, 6 7. 4, <*68/#,- 7, 0*-6 *+<*8. */+ /0 **6 3,*+? .00*8 ,< 3= 7. <*6 -,66*+? <,-.+?, 1 ,+ /0 7, #*6$. /-?.+6 47*87 .0,4 =, .-6 .0 ,-4 .-<6 ,-1*+. ,< *+ / . 3*+<+,66 , 7.< +, .- = 7, / < /6, /6 7, 6*?7 /0 /+, ,=, .+< ,#,+ 4* 7 7, / 7,- * 4.6 4* 7 7, ?-, . ,6 <*00 8$ = 7. 7, 8/$ < -, .< . +, 465.5,- 3= 8.+< , *?7 47. ,#,- 1*?7 3, 7, 6 -,+? 7 /0 7*6 65,8 .8 ,6

I (#,3# "*.",# <(% "" + *<(8.*6%, *# *., -) (* *: : (81-# =): = ,) *<, 6, ,1 *6%, -(* 2%, *1 (0-) (* #-*-, (0 -) , "123# ; "1/ /8."12 6"# #(5(8.1 *- E ,7 ; (8-) -), , = "%% 1,<, .-) ,%,## 6, 0(81/ "1 -) (* M "0, (0 ,1, .*% ". (6, .- E "%#(1 3 \++ ! 9 !! N * +*"108% 1*. .*-"<, / .*=1 8+ 67 -%"1- /"#-"128"#) , /* (00": , . (0 : , .-*"1 , : : , 1G -. ":"-", # =):) *., #*" /*-( ) *<, ; *.@, /* E# *5, #-73# : (1/8 : - *- -) *- +*. -": 8%*. -" ; , C) (* *6(<, D = ."-, # ". (6, .- *%%8/"12 -(-), 1*. .*-"<, "1 A8, #-"(1 C = *# #) (= 1 -((. /* (".* =) (* *#@, /* ; (-(%, -)" ; #) (= "- -(-), ."1: , (0 E *%, #*), ."1: , #, 1- ; (* * <, .7 :"<"% ; , ## *2, -). (82) (. /* (".* *1/* * / / , /* * = "#) -) *- M = (8%/ ; *@, -), ; , , ; (. *1/8 ; * # +86%": * # : (8%/ 3 D 4 B#(+ ! ! 9 N ". (6, .-3# C ; , ; (. *1/8 ; D 6, *. # 1(/*-, 68- "- #, , ; # -(: (1-*"1 * ; +%, "1-, .1*% , <"/ , 1: , -(/, ; (1#-. *-, -%"*- "- . , 0, . # -(-), 7, *. U

#* ; ; -" ; , ' #, ,# 1((65, :-"(1 W-(X *8-) (."#'12)"# (./ %"*1:,%%(. -(:(; ; 81":*-,)"# *++.(6*-"(1 (0 . "#), .3 +.,-,1#'(1# -(#-*1/ 0(.-) (1 -)"# (::*#'(1 *#)"# *5,#-7 W:(1#'/,.#X 1(; (., +.(+,. :*1/"/*-, :*1 *5"+,*. *1/ -)*-), "# ,<,"7 =*7 =,%% A8*%'G 0",/ -(0'%% -), #-H"(1 ="-) :., /"- -(-) (#, =) (J<'%% #8++(.-)"%8 *# =,%% *# 8-"%"-7 -(-), +%*:, (0)"# ,*.%",#- ,/8:*-"(1

#' 0) ' 2 G'D

' / 1 , ' /0 7, ' 5.- *8$.-6 /0 7, ' -*+8,06 *+ ,-#*, 4 4* 7 7*6 0. 7,- 4 ,-, ' -, . ,< 3= 7*1 /' 7*6 0-*,+<6 ' ' 7, ' .88/$+ 2L 4-* ,6 * ' /' /-< </+2 /+ 7, ' 9 72 ' ' 7.#, ' B$6 ' 7.< /0 7, ' *+ ,-#*, 4 . *,6 *+ 7, ' 1.*+ 4* 7 7. ' 6,+ ' /' =/$2 3$ ' 4* 7 7, ' .<<* */+ /0 ?-, . ' ' . ' 7.=*+?' 0/$+< 7, ' *+?' 6/ 1$87 , ! ' ' ' 7 " ' 0*+< ?-, . ' ,00/- 6 1 .= 3, ' ,N5,8 ,< /' 3, ' *1 1 ,<*. , = 1.<, ' /' 5-,#,+ ' .+= 0$- 7,- 5-/?-,66 /4.-<6 -, . ' -,8/+8* *.G */+ ' I 3$ ' 6 * 2 1= *+0/-1.+ ' 7*+M6 7, ' <*65/6* */+ ' *6 0.#/$-.3 , LT ' /' /N 7, ' -*+8, ' 1.<, ' .' 6*1* .- = $+G 6. *60.8 /-= -,5/- ' /0 7, ' .55.-,+ ' 6 . , ' /0 7,. 7 *+ 47*87 7, ' 0/$+< 7, ' *+?' 7,-, ' 4.6 +/' 8/-<*. * = /- 5-,G ,+<,< .00,8 */+2L 4-* ,6 /N2 ' 3$ ' 8/1 1/+ . M /+ 4,. 7,-2 68.+<. 2 U8 Y .' ?-, . ' <, . ' /0 7, ' . ,- Y .+<2 ' ') ' /#,-= *< , ' .+< 0// *67 *+ 7, ' 1.++,-2 .+< -$++*+?' 4* < = 0-/1 ' /5*8 /' /5*82 7/$?7 +/ ' .36/ $, = *+8/7,-,+ ' F * 7 -,65,8 ' /' /-< &/*-.06 1, , *+?' 4* 7 * 2 7, ' 6.*< 7. ' * ' 7.< ,N5-,66,< .' 5.- *8$.- <,6*-, ' /0 7.#*+?' 7*12 &/*-.2*+ 7, ' (.3*+, 2 .+< .' ?,+,-. ' 4*67 /' .<1*' 1.+= /0 7, ' -*+8,06 0-*,+<6 ' ' -. 7,- 7*+M &/*-.2 47/1 ' ' 6.4 6,5.-. , =2 .<<,< 7/5,6 /0 *1, ' 3-*+?*+?' .3/$ ' \

+ ' 7*6 /88.6*/+2 . ' , .6 2 7, ' -*+8,06 -,5/- ' /0 7, ' 6 . , ' ' /0 7*6 0. 7,-06 7,. 7 4.6 .55.-,+ = +/ ' //' $+0.#/$-.3 , ' .' /+,2 '*+8, ' 7, ' *+?06 -, $-+ 0-/1 ' F ,=1/$ 7 7*6 1*+< 7.< . '*+ ,-#. 6 67/4+ * 6, 0 /' 3, ' 6 * ' *+ .+ $+6, ,< 6 . ,2

I ' *.-%7 +."1-,/"1 ' ="##3 "0, ' (0 %/(1 ' <(%' " ' + ' U '
-' ="##3 "0, ' (0 %/(1 ' <(%' " ' + ' U !'
-' *.% 8##,%%B# , ; (."*%# (0 (> ' <(%' "<' + '

> ' MM" ' ' ' ' !

.+<2 . 7/$?7 . ' ,4' 7,' 6,,1,< /' 7,' $+$6$. =' 87,,-0$' .+<' 4, 2 7,-,' 4,-,' 7/6,' .3/$' 7*6' 5,-6/+2 47/' . ' *1,6' .55-,7,+<,< 7`' 4/-6' 7. ' 8/$ < 3,0. ' 7*1 ' *6' ,15,-' .?.*+' 3,8.1,' 1/-/6,' .+<' *--* .3 ,I' 7,' . =' 1,13,-6' /0' 7*6' 0.1* =' 4* 7' 47/1' 7,' 8/+6,+ ,< /' <*+,' 4,-,' . ,-G +. , =' 7,' -*+8,66,6' '/57*.' .+<' 1, *.' I .+<' .6 =2 .+<' 1/6' $+7.55* =2 7,' 3,8.1,' 8/15 , , =' ,6 -.+?,< 0-/1' 7,' . 1/6' 7,.-03-/M,+' 4*0,2 47/6,' 6 ,.<0.6' .+<' 4.870$' <,#/ */+' 7.< 3,,+' 7*6' 6/ .8,' 0/-' +,.- =' 7. 0' .' 8,+ $-=' +' +/' /88.6*/+2 *+<,,<2 <*<' 7,' ,#,-' 1,+ */+' 7,-' +.1,' 4* 7' <*6-,65,8' I 3$' 6 -/+? =' -,6,+ *+?2 .6 0.-' .6 4,' .-,' .3 ,' /' <*68/#,-2 7,-' *+ ,-0,-,+8,' /+' 3,7. 0' /0' 7,-' , <,6' 6/+2 7,' -,. ,< 7,-' 4* 7' .' 6$65*8*/+' .+<' <*6 -$6 2 47*87' +. $-. =' /88.6*/+,< 7,-' 7,' <,,5,6' .00 *8 */+' ') , ' 4-* ,6' /-<' $8M .+<2 ' .' 87.+?,' 1.=' .M,' 5 .8,' 0/-' 7,' 3, ,-2 3$' *' *6' 1/-,' *M, =' /' 3,' 0/-' 7,' 4/-6,' I .+<' . ' .+=' -. ,' *M, =' /' /#,-6, ' 7,' 47/ ,' /0' 7. ' .<1*-. */+' /0' 5-*G #. ,' ?//<+,66' .+<' ,N,15 .-=' ,15,-' *+' </1,6 *8' *0,2 47*87' 4.6' #,-=' 1. ,-*. ' /' 3,' 5-,6,-#,< L' ' *6' .' 1, .+87/ =' 8*-8$16 .+8,2L' 4-* ,6' /-<' /3.-2 /' 6,,' .' 0.1* =' 7. ' 7.< *#,< 6/' 4, ' /?, 7,-' 0/-' M$87' .' +$13,-' /0' =,.-6' 8/15 , , =' 3-/M,+' $5 L' 7,' 5-*+8*5. ' 8.$6,6' /0' 7,' -, $-+' /0' 7,' *+?06' <*6/-<,-' 4/$ < 6,,1' /' 7.#,' 3,,+' 7,' ,NG 8,66*#,' .1/$+' /0' 1,+ .' .6' 4, ' .6' 3/<* =' .3/$-' 47*87' 7,' *1BX/6,< $5/+' 7*16,02' .' 4.+' /0' 6$00*8*,+' 6 ,,52' .+< 8,- .*+' 5.*+0$' <*66,+6*/+62' 47. ,#,-' 7,=' 1.=' 7.#,' 3,,+2 *+' 7,' /=.' .1* =' ' F* 7*+' 7,' 0.1* =2L' 4-* ,6' /-< $8M .+<2 ' .-,' 6 -.+?,' 687*6162' .+<' 8.3. 62' .+< <*#*6*/+6' .1/+?' 7,' 6/+6' .+<' <.$?7 ,-6 L' #,-=' ,+<,.#/$-' 4.6' 1.<,' /' *+<$8,' 7,' *+?' /' *,' </4+' .+<' -,5/6,' 7*16,0' 0/-' 4/' 7/$-6' .0<.=2 3$' 4* 7/$' ,00,82 0

I' ,--,.'0.(;' (./' 8:@%*1/'-(' (./' ,1%,7'/*-,/' ,+-' -)' U' 8:@%*1/' (..,#+(1/,1:,' <(%' "<' ++' !),'+*.-":8%*.# :(1-*"1,/' "1' -)"# %,--,.' (./' 8:@%*1/'%,*.1,/'0.(;'-)(' C<,.7' 6,#-' *8-)(."-7 P' 1*;,%7' -),' "12B# :(10"/,1-"*% 0.",1/' (./' "<,.+((%' -' 8:@%*1/' (..,#+(1/,1:,'<(%'"<' ++' ! U

1/+? / 7,- 5.*+0$ 8.$6,6 47*87 . 7*i *1,M,5 7, *+? .+< Q$,,+ .6$+<,- .55,.-6 /7.#,3,,+ . 8/+6 .+ <-,.< /+ 7,- 5.- ,6 . .+= 1/1,+ 7,0 *+?1*?7 7,6,*>,<1 *+ 7,- 5-,6,+8,3= .06$<<,+ .+<#*/ ,+ 5.-/N=61 /0 0℃,+>= 7, Q$,,+1L 4-* ,6 /-< (/0 (7,6 ,- *#,6 $5/+* ,-16 4* 7 7` *+? 7,= +,#,- 6 ,,5 /- <*+, /?, 7,- L +< .?.*+ 7, 4-* ,60Y 7, *+?* *6 7.-.66,< 3= 0.1* = <*65$,6I 7, Q$,,+ 5,-6*6 6 *+ *#*+?,+ *-, =6,5.-. , L 7, -*+8,/0 F. ,61 47/ #*6* ,< 7*6 0. 7,- .3/$ 7, ,+< /0 /#,13,-1 3-/$?7 3.8M 3$.? //1= -,5/- /0 7,6 . ,0/07*6 1*+< , 7.< 0/$+< 7*+?6 . F*+<6/-1L 4-* ,6 /-< -,+#* , /7, &.-@$*6 /0 $8M*+?7.11 .6 3.< .6 7,= 7.< 3,,+ -,5-,6,+ ,<IL 7, *+?1*+<,,<1 7.#*+? .5/4,- /0 -,G 6 -.*+*+? 7*16,01 .+< . M*+? -. */+. = 0/-6/1, *1, .+< /+ 6/1, 5/*+ 61 3$ +/ <.= 5.66*+? 4* 7/$ 1$87 /0 . <*00,-,+ <,68-*5 */+1 .+< 1 .+= 5/*+ 6 #,-= 5-,#. ,+ *+ 7*6 1*+< /0 . 87.-.8 ,- ,N -,1, = *--. */+. L0 / ,66 <*6 -,66*+? *6 7, .88/$+ 3,@$,. 7,< /$6 3= /-< &.7+,63|-= 7, Q$,,+1L 7, 4-* ,61 4* +,#,- -,8,*#, 7, *+? 4* 7/$ /+, /0 7, -*+8,66,6 3,*+? 5-,6,+ I +,#,- 6.=6 *+ -,5 = . 4/-< *@$,6 7,-6, 0 /+ 7*6 <*6G 8-,, 6* ,+8,1 .+<1 47,+ *+ /+</+1 /8M6 7, </!- /0 7,- Y7,- , Y.?.*+6 7*1 7, 3,7.#*/$- /0 7, Q$,,+ . .-16 1, 1/-, 7.+ . 7, / 7,-6 /0 &-6 .-8/$-06 6 /-*,6 /- *0 7, Q$,,+ <*< +/ 7*+M 7, *+? *M, = /-, .56,1 67, 4/$ <+/ . ,-*+7,- 1.++,-6R /4.-<6 7*1I .+< 7,- 7.#*+? . ,-,< 7,- 1.++,-6 5 /#,6 7. 67, 7*+M6 7, 1.= -, .56, LA

I (./ (%:),#-,.3# "*.",#<(%"++ L L! (./ 8:@"12)*;#)"..,=."-,# *6(8-)"#-";,-((./ 8:@%*1/ C 7-),%"--%,1,=#)1<,6,,1*6%,-(9+":@8+9 "1-),:(-1#,(0-)"#;(.1"12 #)(8%/";*2"1,1(-)"12:(16,;(.,/,+%(.*6%,-%"*1 -),"1-,."(. (0*:,.-*"1 2.,*-)(8#,*-E"1/#(.?-),=)(%,0*;"%7 /"<"/,/"1-(+*.-",#*1/,<,.7-)"12 2("12 (1*#"%%1#+(##"6%,D4 23 4 & <(%"<+ -8:@"12)*;*+,.#<(%""'+!

(./ *%;,#68.73# "*.",#<(%"<+!UU

*,' /3B,8' D43*83Z /0' . ' / 7,-6Z 7,' .00*8 ,< *+?' . ' 7*6' 5,-*/< 7.< 1/6' . ' 7,.-Z 4.6' /' /3 .*+Z 4* 7' 7,' 0-,,' 4* ' .+<' 8/+6,+' /0' 7*6' , <,6' 6/+Z 7,' 8.-,' /0' 7,' 5,-6/+' .+<' ,<$8. */+' /0' 7*6' ?-.+<0<.$?7 ,-' .+<' 7,*-' 5-,6$15 *#,Z 7,' -*+8,66' (7.- / ,' /0' F. ,6Z . ' 7*6' *1,' *+' 7,' +*+ 7' =,.-' /0' 7,-' .?,' 7,' 87* < 4.6' *+' ,#,-=' -,65,8'0.' 1/6' *+ ,-,6 *+?' /+,' ') ,6 ,-<.=Z 7,' K 7' /0' $?$6 2L' 4-* ,6' 7,' #,+,-.3 ,' *67/5' /- ,$6Z ' ' 5.66,< .' #,-=' 5 ,.6.+' <.=' . ' '7-,463$-=' /$6,Z +,.-' '7// ,-06' Z 7,' -,6*<,+8,' /0' 7,' -*+8,66' (7.- / ,' /0' F. ,6 0' 7,' <.=' 4.6' 0*+,Z .+<' 7,' 5-/65,8' ,N ,+6*#,' .+<' 3,.$ *0$ Z .M*+?' *+' .' .-?,' -,.87' /0' 7,' 7.1,6Z 47*87' 4.6' 8/#,-,< 4* 7' #,66, 6' /0' #.-*/$6' 6*>,6' .+<' <,0' 68*C*5 */+6' F,' 6.4' .' ?//< <,.Z /0' 7,' =/$+?' -*+8,66' '7,' *6' .' 1/6' 8.5 *#. *+?' .+<' ,+?.?*+?' 8 ** <Z .+<Z 8/+G 6*<,-*+?' 7,' 7*?7' 6 . */+' 67,' 1.=' 7,-,.0 ,-'0* Z .' 1/6' *+G ,-,6 *+?' .+<' *15/- .+' /+,' '7,' -,5,. ,< /' 1,' 6,#,-.' /0' 7,-' 7=1+6' 4B 7' ?-,.' 8/--,8 +,66' .+<' 5-/5-*, =f .+<Z /+' 3,*+?' / < 7.' 47,+' 67,' 4,+' /' ' /$ 7,+<Z *+' 66,N' Y .6' 67,' .0 ,-4.-<6' <*<Z 0/-' 7,' B5,+,0*' /0' 6,.03. 7*+?Y' 67,' 4/$ < 7,+' 3,' *+' 1=' <*/8,6,Z 67,' 0, ' </4+' /+' 7,-' M+,,6' .+<' 3,??,< 1=' 3 ,66*+?' ' ?.#,' *' 4* 7' . ' 1=' 7,.-Z .+<' 4* 7' 1=' ,.-+,6' 6,8-,' 5-.=,-6' /' /< 7.' 67,' 1*?7' .</-+' 7,-'* $6 -*/$6'6 . */+' 4* 7' ,#,-=' (7-*6 *.+' ?-.8,f .+<' 7.Z *0' ,#,-' 67,' 3,8.1,' 7,' Q$,,+' /0' 7*6' -$ =' ?-,.' .+<' ? /-*/$6' 8/$+ -=Z 67,' 1*?7' 3,' 7,' 1,.+6' /0' <*00$6*+?' #*- $,Z 5*, =Z .+<' 7.55*+,66' 7-/$?7' ,#,-=' 5.-' /0' 7,-' </1*+*/+6 L' A

(,- .*+ =Z (.- /+' /$6,Z 4* 7' * 6' ?-.8, ,66' 6/8*, =' .+<' .*+ ,< . 1/657,-,Z 4.6' +/' , *?*3 ,' -,6*<,+8,' 0/-' .' 1.*<,+' 7,*-,66' /' .' 7*C/+,f +/-' 4.6' 7,' 7/1,' /0' 7,-' -,5$<*. ,<

[' '
-' -' -),' -"; ,' =),1' "#)(+' (.-,8# =.(-,' -),' %"--%,' ."1:,## =*# .,#"/"12'"1' *' #,+*.*-,',#-*6%"#) ; ,1-'+.,#"/,/'(<,.'67' *.-)*' (81-,## (=12,.'(0' %2"1'1(-'08.' 0.(;') ,.' ; (-),.3# <"%%*' *-' %*:@6,*-) ' ,,'& '+'U '
"' "0,'(0' "#%"(+' (.-,8#' E(.@#'<(%'"'++' 9!
) H '

.+< *+<*68-, , 1 / *, -1$8 * ,66 /5, + /3B, 8 */+6 $ * 4.6 +/ . /+, Y /$6, 3, *+?06 4/-<6 Y 7. 3, <, G 6*-, < /6, , 3*6 ?-. +<0<. $?3 , -3-/$?7 $5 .+< , <$G 8. , < .6 . Q$, , + 7. *6 /3, L 3, *+ , -, 6 *+?87* < 3. < . 6/ , + *-, = , 6 .3326 7, < 7, -6, 0*+3*6 .00, 8 */+6 3, *+?<, 3?3 , < *+87* <-, +2 .+<2 .88/-<*+? =2 * 4.6 $+G 0/- $+. , 0/-3*6 7.55*+, 66 7. 2 /03*6 /4+ /0065-*+?2 , #, + 3, =/$+?, 6 .+< 3, 6 03, /#, <2 3, -*+8, 66 1, 3.2 3.< 65-$+?$5 /4/1.+7//< H+<, -7, 6, 8*-8$16 .+8, 62 3, *+?06 ?-. *0*8. */+1 .= 3, -, .<* = 8/+8, *#, < 47, +2 *+ 3, 5-, 8, <*+?1/+7 /0A$ =2 3, 3.< -, 8, *#, <2 7-/$?7 3, .- /0 &/*-.2 . 8/11$+*8. */+0-/1 3, -*+8, /0 F. , 62 *+ *1. *+? 7. +/ 7*+? 8/$< 3, 1/-, 7*?7 = 6. *60.8 /-= /3*6 /=. *?7+, 66 7.+ 7. 3, *+? 67/$< .M, 3, -*+8, 66 (7.- / , $+<, -3*6 *11, <*. , 87.-?, H+</$3 , < =2L 4-* , 6 3, *+? /-< </+ /+ 3, : 3/0 7. 1/+72 3, -*+8, /0 F. , 606 1.M*+? 7, /00, -/0 7.#*+? 3, <, .- * , (7.- / , 06 , <$8. */+ .+< 5-*+8*5 , 6 . , +<, < /2 *6 3, 3, 6 , .-+, 6 3, 8.+?*#, /0 -, $-+*+? /.6, +6, /0 47. 3, /4, 6 /3*6 0. 7, -E .+< *+<, , < /3*6 8/$+ -=2 .+< 1.= /. < , ?-, , 1/ *0= 3, 0, , *+?6 /0 .+ *+B$-, < 0. 7, -I 3$ * 4* -, @$*-, 6/1, -, 0 , 8 */+ 3, 0/-, 3, *+? 8.+ .+64, -3/4 6//+ 7, 8.+ 3-*+? 7*16, 0 /-, 8, *#, 7, 5$3 *67, -/0 3*6 , , -6 L 7$62 .-1, < 4* 7 3, .$ 7/-* = /0 7, -*+8, 2 .+< , *1.?*+*+? 7. 7, 4/$< <, 5.- 0-/1 3*6 4/-<2 7, *+?2 5-, #*/$6 = /3*6 <, 5.- $-, 0/- F, =1/$ 72 3.< ?*#, + /-<, -6 0/- . -, 6*<, +8, 2 8/6, /3, 4. 6 /0 F*+<6/- (.6 , 2 /3, 5-, 5.-, < 0/- 3, -, 8, 5 */+ /0 7, 0 -*+8, 662 5/6 G 5/+*+? 0.- 7, - .--.+?, 1, + 6 * .0 , -7*6 *+ , +<, < -, $-+ *+ /#, 13, -

+ 3, 1, .+ *1, 7, #.8* . *+? -*+8, Y <*#*<, < 3, 4, , + 3, e/55/6* , 8/$+6, 6 .+< , N7/- . */+6 /0 3*6 0-*, +<62 .+< , 65, 8*. = /0 3*6 0, 1. , 0.#/$-* , 6 Y 3.<

6%,‘ %"1,‘ -(‘ :+ ; 6-‘ ;"#*++. ,),1#'(1‘ :)":*1,‘ *1/‘ 81-.8-)‘)*#
="-)‘ #-(":*% "1/"00,. ,1:,‘ =*"-,/‘ -) ,‘ * ; <*% (0‘ #(; ,‘ "10(. ; *-"(1‘
0.(;‘)"# (./‘)*1:,%%(.‘),‘ %,--,.‘ 0.(;‘)" ;‘ #-*-,# -)*-‘ *-‘
%,12-)‘ -) ,‘ *.% (0‘ (".* "# #8 ; ; (1,/‘ -(‘ -(=1‘? :(1#,A8,1-%7‘ *
A8":@,.‘ +.(2.,##"# #((1‘ -(‘ 6,‘ ,>+,.:-,/
<‘),‘ "12‘ ="%% :,.-*"1%7‘ 6,‘ *-‘ -) ,‘ H8,,13# *%*:,‘ (1‘ E,/1,#G
/*7‘ *-‘ -=(‘ (3:%(:@‘ =),1‘) ,‘ -.8#-# -) ,‘ (./‘)*1:,%%(.‘ ="%% 6."12‘
)" ;‘ *‘ :(+7 (0‘ -) ,‘ *.% (0‘ ()*3# +*+,.‘ (0‘ %*#-‘ 8%7‘ =),.,"1‘ "-‘ "#
,>+.,##%7 (00,.,/‘ -)*-‘ -) ,‘ "12‘ #)*%%)*<,‘ -) ,‘ #(%,‘ *1/‘ ,>:%8#"<,‘
:*"3,‘ (0‘ -) ,‘ +,.#(1‘ *1/‘ ,/8:*-"(1‘ (0‘)"# /,*.‘ 2"*1/9/*82)-,.‘ ? -(‘
=)":)‘ -) ,‘ (./‘)*1:,%%(.‘ =*# *8-)("V,/‘ -(‘ /,:%*.,‘ -)*-‘)"#
5,#-7‘ "1‘ -@"12‘ -) ,‘ #8+,."(.‘ /".,:-"(1‘ 1,<,.‘ "1-,1/,/‘ -(‘ /,2-.(7
-) ,‘ /8,‘ "1#+,:-"(1‘ *1/‘ +*.,1-*% ."2)-# (0‘ 6(-)‘ +*.,1-#

+‘ 7,‘ 1,.+‘ *1,‘ 5,+<*+?‘ 7`‘ .--*#.‘ /0‘ /-<‘ &/*-.‘
+‘ /+</+‘ 7,‘ -+8,‘ /0 F . ,6‘ 4/$‘ < 6,,1‘ /‘ 7.#,‘ .8 ,‘
.‘ #,-=‘ ,N -./-<*+.-=‘ 5.-‘ I‘ <,+=*+?‘ 0/-‘ *+6 .+8,‘ .‘ /+,‘
*1,‘ 7.‘ 7,‘ 7.‘ ,#,-‘ ,+ ,-,‘ *+ /‘ .+=‘ ,+?.?,1,+‘ /‘
8/+6*?+‘ 7*6‘ <.$?7 ,-‘ /‘ 7,‘ 8.-,‘ /0‘ 7,‘ *+?‘ .+<‘ .‘
.+/ 7,-‘ *1,‘ 8-$, =‘ . ,?*+?‘ .6‘ .+‘ ,N8$6,‘ 0/-‘ <,5.- *+?‘
0-/1‘ 7.‘ ,+?.?,1,+‘ 7*6‘ 0. 7,-0‘ *+ ,-#,+*+?‘ *+6.+* =‘
‘ 7,‘ -*+8,‘ *‘ *6‘ 6.*<2L‘ 4-* ,6‘ /-<‘ (/87,6 ,-‘ ‘6/1,G
1,6‘ <,+,6‘ .+<‘ 6/1, *1,6‘ .<1* 6‘ 7.‘ 7,‘ 7.<‘ 8/+6,+ ,<‘
7$‘ 7.‘ *‘ 4.6‘ , 4 ‘ ‘ ‘ ‘ ‘ (‘ .‘ F*+<6/- L‘ 0
.55* =‘ 7,‘ .--*#.‘ /0‘ /-<‘ &/*-.‘ *+‘ /+</+‘ .+<‘ 7*6‘
8/+68*,+ */$6‘ ,6 *1/+=‘ /‘ 47.‘ 7.<‘ 5.66,<‘ *+‘ 7,‘ 6$1 1,-‘
4,+‘ 0.-‘ /‘ 61// 7‘ 5-,#.* *+?‘ <*00*8$ *,6‘ .+<‘ </$3 6‘ ‘ 7,‘
<*00,-,+8,‘ +/4‘ ,N*6 *+?2L‘ 4-* ,6‘ 7,‘ *+?‘ /‘ 7,‘ (7.+G
8, /-‘ /+‘ 7,‘ _7‘ /0‘ ,8,13,-‘ ‘ 1.=‘ 3,‘ ,.6* =‘ -,1,<*,<
3=‘ ,N5 .+. */+‘ 3$‘ 7,=‘ 4* ‘ +/‘ 3,‘ 6$-1/$+ ,<‘ 4* 7/$‘
* L‘ ‘ ‘ 0.-2L‘ 4-* ,6‘ /-<‘ *#,-5// ‘ .6‘ 7,‘ -*+8,0‘
8/+6,+‘ *6‘ /0‘ .+=‘ *15/- .+8,‘ * ‘ 4.6‘ ?*#,+‘ . ‘ ,.6‘ 0*#,‘
1/+ 76‘ .?/‘ *+‘ .‘ , ,-‘ 0-/1‘ /-<‘ &/*-.‘ I .+<‘ 7*6‘ /-<0

I‘ ="##8# "0,‘ (0‘ (./‘ %/(1‘ <(%‘ "‘ ++‘ U U9L‘
-‘ (./‘ (%:),#-,.3# "*.",#‘ <(%‘ "‘ +‘ L! ‘
-‘ ="##3# "0,‘ (0‘ %/(1‘ <(%‘ "‘ +‘ U

67*5 .8 6 0.*- = .+< 7/+/$-.7 = *+ .#/4*+?7,-.+6G .8*/+L #,+$. = ,#,-k<7*+?6,,16 /7.#,3,,+ .--.+?,< .88/-<*+? /7,*+?G6 4*67,6 /-*+6 .+8,2 *+7,8/106,/0 7,1/+7 4,0*+< /-< $8M*+?7.1G 67*-,4-**+? /-< $8M .+< 7. ,#,-=7*+?*6 6, ,< 4*7 7,-*+8,8/+8,*1*+?7,-*+8,66 (7.-G / ,0 .+<2*+<,,<20-/1 7,5,+/0 7,*+?7*16,0 4,7.#,.+,.-=6*1*.-*+*1.*/+

K : * "

E1.(#(E H1" 3 9F L

C),"12*8-)("3V,#-),(./)*1:,%(.-("10(.;-),."1:,"(0E*%,#-)*-);)*#.,:,"<,/="-)#*-"#0*:-"(1-),*1#=,.-A-),+*+,.=)":)-),(./)*1:,%(.#,1-(-),."1:,"(0E*%,#0(.)"# *5,#-7?*1/="%% "1:(1#,A8,1:,+.(:,,/="-)*# %"--%,/,%*7*#-),/8,:(1#"/,.*-"(1(0#(#,."(8#*:(1:,.1.,GA8".,#-(#-*-,-(-),."1:,"-).(82)-),#*;,:)*11,%0(.-),."1:,3#:(1#"/,.*-"(1-),1*;,#(0-),+,.#(1#-)*-#)*%% (::8.-()"# *5,#-7*#;(#-%"@,%7-(#8"-),#"-8*-"(1#1,:,##*.70(.-),:*.,*1/"1#-.8:-"(1(0)"#2.*1/9/*82)-,.-),."1:,##)*.%(--,=)()*#,<,.72"0-0.(;1*-8.,-(.,1/,),.:*+*6%,(0+.(0"-"12 67-)*-:*.,*1/*--,1-"(1=)":);;*7.,1/,),."1 08-8.,*1 S(1(8.-(),.0*;"%7*1/**6%,##"12-(-)(#,=)("0"-+%,*#,#-),%;"2)-7-(+.,#,.<,),.%"0,1"8#-"1** 08-8.,/*7*:@1(=%,/2,),.*#-),",. (<,.,"21D0

F7.,#,-2*+7,/5*+*/+6/0 7,-*+8,/0F.,6.+< /N2 1.=7.#,3,,+7,?,+,-.6.,/0 7,*+?06 -,.6/+*+?5/4,-6.7*6*1,2+,*7,-/0 7,12 4,8/+G 8,*#,2 8/$<7.#,0-.1,<.1$87 1/-,$8*<.+< 6,+G 6*3,</8$1,+7.+7,0/ /4*+?-$,6 47*87 7,<-,4 $5 0/-7,,<$8.*/+/0 7*6 3,/#,<?-.+<0<.$?7,-7,*+?2L 4-*,6/-< &.1,63$-=2 6,+7*6 5.+ 0/-7,-*+8,66*+4-**+?/7,-*+8,3=7,(7.+G 8,/-7 4.6+/7/+=.#,-=B$<*8*/$6.+< 4*6,/+,2

I 8:@%*1/(..,#+(1/,1:,'<(%'"<'+' -' "/ '<(%'"<'+' ! -' %/(1' '+*.-%7(."2"1*%

3$ <-.4** $5 1/6 .<1*-.3 =. .+< 0$ /0 0*+,. .+< .00,8G
*/+. ., 0, , *+?6 L

7, -*+8, /0 F. ,6 7.#*+?. 7-/$?7 7, .- /0
&/*-. ,N5-,66,< 7*6 4*67 7. 7, ,<$8. */+ .+< 8.-,
/0 7, 5,-6/+ /0 7*6 <.$?7 ,- 67. 3, 5 .8,< $+<,- 7,
1 1,<. , *+65,8 */+ /0 7, *+?. 7*6 &.B,6 =*6 4* *+?
/ .M, 7*6 87.-?, $5/+ 7*16, 0. .+< 7.6 5-,5.-,< .
7/$6, . F*+<6/- 0/- 7, -,8,5 */+ /0 7, -*+8,66
(7.- / , 7, 6$1 +/4*66$,< , .87 @$.- ,- /$ /0 7*6
&.B,6 =6 (*#* *6 . 0/- 7, 1.*+ ,+.+8, .+< ,<$8. */+
/0 7, =/$+? -*+8,66. 67/$ < *+ 0$ $-, 3, 5.*< *+ / 7,
7.+<6 /0 7, 5,-6/+ 47/ 67. 3, +.1,< 3= 7, *+?
/ <,0-.= 7/6, ,N5,+6,6. .+< 6$87 .<< */+. 87.-?,6 .6
1.= .-*6, 0-/1 7, 87.+?, /0 ,6 .3*671,+ 67. 3, <,G
0-.=,< 3= 7, *+?

*6 &.B,6 = 5-/5/6,6 / +.1, .3*67/5 / 6$5,-*+ ,+<
-*+8,66 (7.- / ,6 ,<$8. */+. 6 * 8.++/ 3, 7. . /+,
/0 .0,1. ,f 3$ 67,. 3,*+? 7, -,6$15 *#, ,*- /0 7,
(-/4+. 1$6 7.#, /+, /0 . 1/-, ,N ,+<,< +. $-, *6
&.B,6 = . 6/ 7*+M6 * <,6*-.3 , 7. 7, 3*67/5 67/$ < 0*N
/+ . 5-/5,- 8 ,-?=1.+ / *+6 -$8 7, =/$+? -*+8,66
*+ -, *?*/+ .+< . *+. .+< <.* = / -, .< 5-.=,-6 7.
7, -, 67/$ < 3, .+/ 7, - *+6 -$8 /- 0/- 7*6 /-=. ?, /?-.57=.
3, ,60 , -,6. .+< -,+87. .+< 1.6 ,-6 0/- 4-* *+?. 1$6*8.
.+< <.+8*+?f 7. 7, 8.-, .+< 3,7.#*/$- /0 7, *C+0
8,66 67/$ < 3, ,+ -$6 ,< / . ?/#,-+,66f .+<. .6 67, 1$6
3, 3/ 7 <.= .+< +*?7 $+<,- 7, 8.-, /0 -,65/+6*3 ,
5,-6/+6. 7. . 6$30?/#,-+,66 .+< .66*6 .+ 6$30?/#,-+,66
67/$ < 3, +.1,<

7,6, 6,,1 / 3, +,8,66.-= /$ *+,6 / 0/-1 6$87 .
5 .+ .6 1.= 1.M, 6/ 5-/1*6*+? . 87* < $-+ /$ .6 *
*6 7, 8/11/+ *+ ,-,6 /0 7, *+?. +< 7*6 0.1* = YE.+<.
*+<,,<. 7, 47/ , +. */+ Y,.?,- = / 4*67 1.= +/
3, *15-/5,- / .<< 7. 7, 8/+<$8 /0 7, /4.?,-

(/$+ ,66' /0' ?*+' ' *.6' 3, ,+' 6/' ,N, 15 .-=' 3. 2' 7/$?7'
7,*' .?,' .+<' 4, .M' 6 . ,' /0' 7, . 7' 1 .=' 1 .M,' 7, -' -, *-*+?'
+,8,66.-=2' 7,' *+?' 4* ' ?*#,' 7, -' .' 5, +6*/+' ,@$. ' /' 7, -'
5-,6, +' 6. .-= L'0

+' 7,' 1, .+' *1, 2' .' -, 8/+8* *. */+' 7.<' 3, ,+' ,00,8 ,<' 3, G
4, ,+' 4/' 6 . ,61, +' 47/' /$?7' +, #, -' /' 7.#,' @$.--, ,< Y'
* ' .+<' <<*+? /+' /' /+ =2' .' 7,' *1,' /0' <<*+? /+ 0G'
-, 1/#.' 0-/1' 7,' -, 1*, -67*52' 7.<' 7,' 3, ,+' ?-, . =' 7$-'
.+<' /00, +<, <' .' 3, *+?' 0/-8, <' /' 1 .M,' -// 1' 0/-' * 2' 3$'
6/' . ,' .6' 7,' 1*<< ,' /0' /#, 13, -' 4,' 0*+<' 7*1' 65/M, +'
/0' .6' 1/-,' 3* ,-' 7.+' ,#, -' .?.*+6' 7,' 5-, 6, +' &*+*6G
, -6 L'A' ,' 4.62' 7/4, #, -2' 3=' +. $-,' /0' .' 5 .8.3 ,' <*6G
5/6* */+' *6' / <' .00, 8 */+' 0/-' * ' 7.<' +, #, -' , + *-, ='
4/-+' .4 .=I' .+<' .6 =2' 7*6' 7.3* 6' .+<' *+8 *+. */+6' ,<'
7*1' /' 6*?7' 0/-' .' -, $-+' /' /00*8, 2' , #, +' 7/$?7' 7,' 1*?7'
+, #, -' .?.*+' 7,' , ,#. ,<' /' 7,' 7*?7' 5/6* */+' 47*87' 7,'
7.<' 0/-1, - =' /88$5*, <' *+' 7,' ' . ,' /' 6//+, -2' 7, -, G
0/-, 2' <*<' 7, -,' .55, .-' .' 5-/65, 8' /0' * ' <, 5.- *+?' .' * ,'
0-/1' 7*6' 6 . , =' ,N8 $6*#, +, 662' .+<' 1 .M*+?' 6/1,' 6 *?7'
.<#.+8,' /4 .-<6' .' -, 8/+8* *. */+2' 7.+' <<*+? /+' 4.6'
, #*<, + =' 5-, 5.-, <' /' 1, ,' 7*1' 7. 004 .=' ,' 0, ' 7*1G
6, 0' /' 3,' 7,' 5.- =' *+B$-, <2L' 7,' / <' /-<' (/ 87, 6, -2'
.+<' 8/$ <' +/' 7, -, 0/-,' 6 //5' /' 1 .M,' 7,' 0*-6' /#, - $-, 62'
3$' ,' &-' * ' /+ =' </' 7*1' 7,' 1/6' -*0 *+?' B$6 *8, I' , '
7*1' 3$' ?*#,' $,-.+8,' /' .' 6*+? ,' ?, +$*+, ' , N5-, 66*/+' /0'
-, 1 .*+*+?' -, ?.-<' 0/-' 7*12' .+<2' 7/$?7' 7, =' 8/$ <' +, #, -'
.?.*+' 3,' 7,' 0-*, +<6' 47*87' 7, =' 7.<' 0/-1, - =' 3, , +2' * '
4/$ <' ., <'<, ' *+' 7*6' /4+' 6., *#-' *-' %, *#-' 1$87' /0' 7,'
M*+< =' 0, , *+?' /0' 0/-1, -' *1, 6 [

' , +? 72' 5-*+8*5. =' 7-/$?7' 7,' 1, <*. */+' /0' /-<'
.4M, 63$-=2' * ' 4.6' .--.+?, <' 7. ' .' 5, -6/+. ' *+ , -#*, 4

I' *.-)*' /*82)-, .' (0') (; *# E)7-(' #A ' (0' (1/(1' 6*1@, .' *1/' ="/(=' (0'
)*.%, # "0-)' *.%' (0' %2"1'), '/", /' "1' "#"
-' %/(1' ' ."2"1*%
5' , --, .' 0. (; ' .' ., 1<"%%, ' -(' -), ' *.A8"# (0' 8:@"12)* ; ' (<' !-)' U 4'
+3 /' & ' <(%' """' +' ! L' Z' (./' (%:), #-, .3# "*.", #' <(%' ' +' L!

6*/$< .M,' 5.8,' 3, 4,,+' 7,'-*#. '6. ,61,+' ' '7.#,' 6,,+' 7,' %*+?' /0<.=2L' 4-* ,6' /-<' .4M,67$-=' /' <G <*+? /+' /+' 7,' 9 7' /0' ,8,13,-2' '47/' 7.6' ,N5-,66,<2' *+' 7,' ' /7*6'5,-6/+.' ?-. *0*8. */+' .' 7,'-,G #*#.' /0'*+ ,-8/$-6,' 47*87' *6' *M, =' /' .M,' 5.8,' 3, 4,,+' =/$-6, 0' .+<' &-' * ' ' .1' 8/+0*<,+' 7*6' ,#,+' 4* ' /0' *6, 0' 5-/<$8,' .' #,-=' 3,+,0*8*.' ,00,8' $5/+' *6 7,. 7L ' 88/-<*+? =2' /+' .+' .55/*+ ,<' <.=Y '$+<.=' 7,' -<' /0' ,8,13,-' Y' 7,' *+ ,-#*,4' //M' 5.8,' .' /-<' .4M,60' 3$-=06' 6,. 2' (//13,' F//<2' 6*$. ,<' .3/$' 4/' 1*,6' 0-/1' <<*+? /+06' -,6*<,+8,' *+' *8711/+<' .-M2' .+<' .3/$' 7,' 6.1,' <*6 .+8,' 0-/12 * 06' #*' .' /+' $+,=' ,. 7' ' '-,B/*8,' /' .M,' =/$'3=' 7,' 7.+<' .?.*+'LY4,-,' * 06' 4/-<62' .6' 7,' ,+ ,-,<' 7,' .5.-1,+' *+' 47*87' <<*+? /+' 4.6' ,N5,8*+?' 7*1Y.+<' 47*87' /-<' .4M,63$-=' *11,G <*. ,=' @$* ,<' *+' /-<,-' /' ,.#,' 7,1' . /+,' /?, 7,-' 7,' *+ ,-#*,4' .55,.-6' /' C7.#,' 5.66,<' /00' *+' E7,' 1/6' 6. *60.8 /-=' 1.++,-0' 6' 0.-2C 4-* ,6' <<*+? /+' /+ 7,' 0/ /4*+?' <.=2' .6' .' B$<?1,+' 8.+' 3,' 0/-1,<' 0-/1' .' 8/+#,-6. */+' /0' 7-,-,' 7/$-6' =,6 ,-<.=2' .+<' /0' .+' 7/$-' /0<.=2' 7,-,' *6' 7,' 0.*-,6' 5-/65,8' /0' 7,' -,+,4.'C/0' /<' 7.3*6' /0'*+ ,-8/$-6,' .+<' 0-*,+<67*5' ' 1$6' 6.=2L' .<<6' <<*+? /+2' ' 7.' ,#,-=' 5.-' /0' &-' * 06' 8/+<$82' .+<' ,#,-=' 6,+*1,+' 7,' $,-,<2' 8/+#*+8,<' 1,' 7.' *' *6' 7*<' .-<,+'4*67Y.6' /<M+/46**'6'1*+,Y 7.'5.6'<*00,-,+8,6' 67/$<3,'0/-?/ ,+2' .+<' 7.' /$-'0$ $-,'8/+<$8' +*.=' 1.+*-' 0,6'5,-0,8'8/*+8*<,+8,' /0' /5*+*/+2' .+<' 7,'-,0,6 .3*671,+' /0' 0/-1,-' *+*1.8=L'A' * 2' *+' .' , ,-' /' 7*6' 3-/7,-2' /-<' (7.7.12' <. ,<' 7,' W7B' ?*#,6' .'6*1*.-' 6. *60.8G /-=' .88/$+' /0' 7,'*+ ,-#*,4 [

' 7/$?7' * 06' 87*,0' /3B,8' *+' 8/$-*+?' .' -,8/+8**.G */+' 4*7' 7*6' ,.-=' 0-*,+<2' 4.6' </$3 ,66' /' ,+.3,' 7*+

,%%,$#' "0,B(0' (./' "/;(8-0"'<(%'""'+'!
-' (./' (%:),#-,.B#' @.",#'<(%'"'++'L!' 'L!
\' "' ,%%,=B#' "0,'(0' (./' "/;(8-)'<(%'"'+'!!
Z' *.%' -*1)(+,3#' "0,'(0' "--'<(%'"<'5N' ! ' S B

; ‘ X ‘ ‘ ‘ ‘ U

/‘ 6 -,+? 7,+‘ 7*6‘ .<1*+*6 -. */+‘ 7=‘ .+‘ $+*/+‘ 04* 7‘ <0‘ <*5? /+‘ .+<‘ 7*6‘ 5/ * *8.‘ 0/ /4,-6‘ * ‘ 4/$ <‘ 7,‘ $+0.*-‘ /‘ 7*1‘ /‘ 6$55/6,‘ 7.‘ 5-*#. ,‘ 0,, *+?‘ 7.<‘ +/‘ 67.-,‘ *+‘ *+G 0 $,+8*+?‘ 7*6‘ 8/+<$8 ‘ ‘ 4.6‘ 0/-‘ *+6 .+8,‘ *1 1,<*. , =‘ .0 ,-‘ 7,‘ -,8/+8* *. */+‘ . ‘ (//13,‘ F//<‘ 7.‘ F* 3,-0/-8,‘ 7.55,+*+?‘ /‘ 8.‘ $5/+‘ 7*1‘ 7,‘*+<$8,<‘ 7*1‘ /‘ .M,‘ .‘ 6 -/ ‘ 4* 7‘ 7*1‘ -/$+<‘ 7,‘ .-M‘ ‘ ‘ .1‘ 6$-,‘ L‘ 7,‘ 6.*<‘ ‘ 7.‘ =/$‘ .-,‘ ? .<‘ /‘ 7,.-‘ 7.‘ <<*+? /+‘ .+<‘ ‘ .-,‘ /+,‘ .?.*+ L‘ +<‘ 7,+‘ L‘ 4-* ,6‘ F* 3,-0/-8,‘ 7,‘ .<<,<‘ 4* 7‘ .‘ 64,, +,66‘ /0‘ 1.++,-‘ 47*87‘ ‘ 67.‘ +,#,-‘ 0/-?, Y ‘ 7*+M‘ 7,=‘ .-,‘ .‘ * ,‘ 7.-<‘ $5/+‘ $6‘ *+‘ 0*+<*+?‘ 0.$ ‘ 4* 7‘ /$-‘ 1.M*+?‘ * ‘ $5‘ .?.*+‘ 47,+‘ 4,‘ 7.#,‘ 3,,+‘ 0-*,+<6‘ 0-/ 1‘ /$-‘ 8 ** <7//<‘ .+<‘ /$-‘ 0. 7,-6‘ 4,-,‘ 6/‘ 3,0/-,‘ $6 47* ,‘ 7,=‘ 6.=‘ +/ 7*+?‘ /‘ 0-,+#* ,‘ 0/-‘ $+* *+?‘ 4* 7‘ /N‘ 7/$?7‘ 7,=‘ 7.#,‘ 3,,+‘ 0*?7 *+?‘ . ‘ 7,*-‘ *#,6 L‘ ‘ ‘ 7, -,8/+8* *. */+‘ 3, 4,,+‘ * ‘ .+<‘ <<*+? /+‘ 4-* ,6‘ &-‘ 7/1.6‘ -,+#* ,‘ 1$6‘ 7.#,‘ 3,,+‘ 6$<<,+‘ .6‘ M+/ 4‘ 7.‘ /+ =‘ 4/‘ <.=6‘ 3,0/-,‘ $5/+‘ * ‘ /$87*+?‘ 7*6‘ 7.‘ .6‘ 7,‘ 5.66,<‘ 3=‘ <<*+? /+‘ <<*+? /+‘ /36,-#,<‘ /‘ =6/+‘ 47/‘ 4.6‘ -*<*+?‘ 4* 7‘ 7*1‘ 7.‘ ,#,+‘ V‘ ?-,, *+?‘ 4.6‘ +,4‘ /‘ 7*1 L0‘ *,‘ 8/--,8 +,66‘ /0‘ 7*E‘ -. 7,-‘ *+ ,-,6 *+?‘ .+,8G </ ,‘ *6‘ 8/--/3/-. ,<‘ 3=‘ / 7,-‘ .$ 7/-* =‘ ‘ ,65,8 *+?‘ 7,‘ -,8/+8* *. */+‘ /0‘ * ‘ .+<‘ <<*+? /+‘ 4-* ,6‘ .‘ 8/+G ,15/-.-=‘ ‘ =6/+‘ / <‘ 1,‘ 7.‘ 7,‘ 4.6‘ -*<*+?‘ 4*00* 7,‘ . ,-‘ *+‘ *871/+<‘ .-M‘ *+‘ ,8,13,-‘ 9; _‘ 47,+‘ * ‘ 5.66*+?‘ 3/4,<‘ /‘ <<*+? /+‘ 6‘ +/‘ ,N87.+?,‘ /0‘ 8*#* G * *,6‘ 7.<‘ 0/-‘ .‘ /+?‘ 47* ,‘ 6$36*6 ,<‘ 3, 4,,+‘ 7,1‘ <G <*+? /+‘ ,N5-,66,<‘ 7*6‘ 6$-5-*6,‘ /‘ =6/+‘ 7*6‘ 7/4,#,-‘ 4.6‘ 0/ /4,<‘ 7,‘ +,N‘ <.=‘ 3=‘ .+‘ *+ *1. */+‘ 0-/1‘ * ‘ /0‘ 7*6‘ <,6*-,‘ /0‘ -,+,4*+?‘ 7,*-‘ .+8*,+‘ 0-*,+<67*5‘ <<*+? /+‘ -, ,+ ,<‘ .+<‘ 7,=‘ 1,‘ 7,‘ 6$88,,<*+?‘ '$+<.=‘ .‘ /-< .4M,63$-=6‘ .‘ <*++,- L‘A

7,‘ 0/ /4*+?‘ , ,-6‘ <,+/ ,‘ 7/4‘ <,,5‘ 4.6‘ 7,‘ *+ ,-,6

[‘ "0,‘ (0‘ E"%6,.0(.:,‘ <(%‘ """"‘ +‘ ‘ -‘ 8:@"126* ;‘ *+,.#‘ <(%‘ """"‘ +‘ U U ‘ ‘ (8.1*%#‘ (0‘ (%(1,%‘ ,1.7‘ (.-(1‘ E"%%"#‘ (;+-.(R,.‘ (0‘--",‘ (8#,)(%/‘ -(‘ -),‘ ."1:,##‘)*.%(--,‘ (0‘ E*%,#

.M,+3= 7, .+?*+ 7, -,8/+8*. */+ /0 4/*+<*#*<$. 62 0/- 47/1 7, +/ /+ =, +, - .*+,< .5,-6/+. -,?.-<2 3$ 3= 47/6, $+* ,< ,00/-6 7, -$6 ,< /3, .3 , /<,0,+< 7, -/=. 8 /6, 0-/1 7, 0/-8*3 , . .8M6 /0 /N .+< 7, -,+#* ,6

B ^ : ; '@ & /0 0 / -= 9; _

7, *+? 8.++/ /1*/+, 1/1,+2 .0 , -, .<*+? 7, +/ , /0 &- * 2 /,N5-,66 7*6 B/= .6, ,*+? 7, #,-=5-/5,-6 . , /0 &- * 6 1*+<2 *+ 6$??,6*+? .4* *+?+,66 /8. 0/-7 7, .66*6 .+8, /0 &- <<*+? /+ .+< 7*6 |*,+<6 .7, 0*-6 7/$- /0 1, , *+? &- * 2 7, .6 65-*+?2 /,+?.?, 7*1 .?.*+ *+ /5$3*8 *0, Y *+ *1. ,< .<,6*-, /0 3,*+/ 7, -,6 /-,- /0 4/0-*,+<6 /7, 6 . , /0 .00,8*/+2 047*8* 4/$< 3, 1/6 ?-. *0=*+? /**6 /4+ 0, , *+?62 .6 4, .6 .<#.+ .?,/$6 /7, ,.6, /0 8.--=*+? /+ 7, 5$3*8 3$6*+,66

7, *+? 8.++/ 8/+8 $<, 4* */$ 6$??,6*+? 7*6 /+?00/-1,<2 .+<2 7, 3, *,#,62 B$6 /5*+*/+2 7. .5,+6*/+ 0/- *0,2 0/- 7*6 1/6 $5-*?7 .+< <**?,+ <*687.-?, /0 7, <$*,6 /0 '5,.M,- /0 7, /$6, /0 (/11/+62 *6 7, -$, -,4.-< &- <<*+? /+ 67/$< /3.*+2 47*87 4/$< 5, .6, 7, /$6, /0 (/11/+62 47/7.#, , #, - .55*, < 0/- 6$87 .5-/#*6*/+ *+ 7, 8.6, /0 7*6 5-, <, 8, 66/-6 /+ -, *-*+?2 47/7.< +/7. 7*6 1, -* +<2 *+ 7, 5-, 6, + *+6 .+8, 2 * 4/$< 0. , - 7*6 &.B, 6 =6 0, , *+?2 .6 7, 5-/5/6*/+ 8.++/ 4*7 5-/5-*, = 3, 3-/$?7 0/-4.-< 3$ 3= .1, 66.?, 0-/1 7, (-/4+2 .+< 7, 1/*/+ /3, 1.<, /+ *6. , <3= &- * 2 /0 47/6, 6, -#*8, 6 /7, 5$3*8 +/+, 7.6 3, , + 1/-, 5-, </1*+.+ D 7.+ 7, 5-/5/6*+? &- <<*+? /+2 7, + .=/$+? 1.+2 0/- '5, .M, - /0 7, /$6, /0 (/11/+6

' (K ML "

'@ & /% 2 0 0 /(!F 9; _

7, *+?2 4*7 1.+= 8/15*1, +6 /0 7, 6, .6/+2 6, +<6 4*7 *+0*+* , 5, .6$*, 7, 4/ , , -6 7, 7.6 -, 8, *#, < 7*6 1/-+*+?

0.(;‘ (./‘ *=@,#68.7‘ *."/‘ .‘ --‘ -(‘ 6"# (./‘ 6*1:,‰(.‘
)"# .,:(1:"‰"*-"(1‘ ="‰ 2"<,‘ ,*#,‘ *1/‘ */‘ ; 8:)‘ #-.,12-)‘ -(‘)"#
5,#-73# / ;"1"#-.-"(1‘ *-‘ =)":)‘ 1(‘ ; *1‘ ="‰ ; (.,‘ #"1:,.,%7‘
.,5(":,‘ -)*1‘ -),‘ (./‘)*1:,‰(.

#‘ !) ‘ 4" G‘ -

‘ : ‘ ‘ ; ‘

C E' ‘ 0 /(‘ !F ‘ U

C‘),‘ "12‘)*# .,:,"<,/‘ 0.(;‘ (./‘ *=@,#68.7‘ -),‘ ; 8:)9
="#),/90(.‘ *::(81-‘ (0‘ .‘ "--‘)*<"12‘ #,,1‘ .‘ //"12-(1‘ *-‘
((;6,‘ E((/‘ (1‘ 81/*7‘ *1/‘ -)*-‘),‘ "# :(1<"1:,/‘ -),".‘ ,*.%7‘
)*6"-8/,# (0‘ :(./"*% *00,:-"(1‘ *.,‘ .,1,=,/‘)"# 2"<,# -),‘ "12‘
-),‘ ; (.,‘ #*-"#0*+-"(1‘ *#),‘ "# 08%%7‘ #*-"#0",/‘ -)*-‘ -),".‘ +,"#(1*%
--:) ; ,1-‘ -(‘)" ; ‘ *1/‘ -(‘ -)"# :(81-.7‘ *.Q -),‘ -.8,‘ :*u#,# (0‘ -)"#
; (#-‘ 2.*-"07"12‘ =(.@
C‘ "# *5,#-7‘ :(8%/‘ 1(-‘ .,0.*"1‘ 0.(;‘ 2"<"12‘ .‘ "--‘ -)"# =."--,1‘
-,#-" ; (17‘ (0‘)"# *++.(6*-"(1‘ *1/‘)*# /(1,‘ -),‘ #* ;,‘ -(‘ .‘
//"12-(1

C D-

‘ : ‘ ‘ ; ‘ 2

'F-6 ' ' % 2 0' 0 /(‘ !F ‘ U

P‘),‘ "12‘)*# .,:,"<,/‘ 0.(;‘ (./‘ *=@,#68.7‘ -),‘ ; 8:)9
="#),/90(.‘ *::(81-‘ (0‘ .‘ //"12-(1‘)*<"12‘ ; ,-‘ .‘ "--‘ *-‘
((;6,‘ E((/‘ (1‘ 81/*7‘ *1/‘ -)*-‘),‘ "# :(1<"1:,/‘ -),".‘ ,*.%7‘
)*6"-8/,# (0‘ :(./"*% *00,:-"(1‘ *.,‘ .,1,=,/‘)"# 2"<,# -),‘ "12‘
-),‘ ; (.,‘ #*-"#0*:-"(1‘ *#),‘ "# 08%%7‘ #,1#"6%,‘ -)*-‘ -),".‘ +6-#(1*%
--:) ; ,1-‘ -(‘)" ; ‘ *1/‘ -(‘ -),".‘ :(81-.7‘ *.,‘ -),‘ -.8,‘ :*8#,# (0‘
-)"# ; (#-‘ 2.*-"07"12‘ ,<,1-
‘ *6‘ &.B,6=‘ 8/$<‘ +/‘ -,0-.*+‘ 0-/1‘ ?*#*+?‘ &-‘ <<*+? /+‘ 7*6‘
F-* ,+‘ ,6*1/+=‘ /0‘ 7*6‘ .55-/3.*/+?‘ .+<‘ 7.6‘ </+,‘ 7,‘ 6.1,‘ /‘
&-‘ *

!) ‘ D"

7,‘ *+?‘ .6‘ 4,‘ ,.-+‘ 0-/1‘ /-<‘ (/87,6,-?‘ .<<-,66,<‘
.‘ 0/$-7‘ , ,-‘ /+‘ 7,‘ /88.6*/+‘ /‘ &-6‘ <<*+? /+?‘ 47*87?‘
+‘ .‘ 5-/3.3 *=?‘ 4/$<‘ 3,‘ 7,‘ 1/6‘ 87.-.8,-*6*8‘ /0‘.

I‘ ="##3# "0,‘ (0‘ %/(1‘ <(%‘ "‘ +‘ U U‘
-‘ *.‘ -*1)(+,B# "0,‘ (0‘ "--‘ <(%‘ "<‘ ++,1/">‘ >>‘
-‘ ,%%,=3# "0,‘ (0‘ (./‘ "/ ; (8-)‘ <(%‘ ""‘ +‘ ! !U

D 7*6 , ,-E27/4,#,-2 *0*0,N*6 62 7.6 +/ 3,,+ 6, ,8 ,< 3= ,.+ , ,4 0/-5$3 *8. */+

6 <<*+? /+ 3.< +/4 (,.6,< /3, *+ /5B*/6* /+ /7, /#,-+1,+2 7,-, 8/$< /08/$-6, +/ /+?,- 3, .+= /3B,8*/+ /7, *+?-,+,4*+?3*6 0/-1,-0-*,+< = .+< 6/8*. *+ ,-8/$-6, 4*7 7*1 .+< 3*6 .1*.3 , 0.1* =2 .+< .88/-<*+? = 4, 0*+< 7*1 .M*+?. #,-= ,.- = /55/- $+* = /0-,5,. *+?3*6 $+8,-,1/+*/$6 #*6* 6 /*871/+< .-M ,8 +' .$-<.= 1/-+*+?2. , +/08 /8M2L 4-* ,6 <<*+? /+ /3*6 3-/7,-2 3*6 &.B,6 = 8.1, 7,-, ./+,2 4*7/$ 5-,#*/$6 +/*8,2.+< 6.=,< * 4,#, *6 7.-< = 5/6G 6*3 ,0/-*?., /8/+#,= /=/$.B$6 *<,./&*,6.*60.8*/+ 3, 1.+*0,6 ,< , 65/M, /0=/$4*7 7, ?-,. ,6 M*+<G +,662 .+< 3-/$?7 6/1, 5.5,-6 0/- 1=5,-$6.2 47*87 7, <*-,8 ,< 1, /3-*+?/ ,4 =,6 ,-<.=2 F,<+,6<.=2 . 4, #, /08 /8M 7*6 .88/-<*+? = <*<2 .+< 6 .=,< 4*7 7*6 &.B,6 = 47* ,7, . ,7*6 <*++,-2 /47*87 7,6. </4+ -. 7,- 3,0/-, /+, L ?.*+2 <<*+? /+ 4-* ,6 7*6 3-/7,-2 /+ 7, 7Y .1 B$6 -, $-+,< 0-/1 ,4B 47,-, 5.66,< .+ 7/$- .+< .7. 0 4*7 7*6 &.B,6 =2 .+< 5.- //M 07*6 <*++,-2 47*87 8/+6*6 ,< /01$ /+087/56 ,2+< 5$<<*+? LT

9; W +7, 9 7 /0A.+$.-=2 <<*+? /+4.6 8-,. ,< "*68/$+ '*<1/$ 72 .+< /+7, 9_7 4.6 64/-+ *+$6 /-< -,6*</+ 1 /07, -*#= /$+8* .1? .<2L 6.*< 7, *+?2 .6 7, M*66,<7.+<62 /7.#, =/$4*7 1, .?.*+ LZ

+7, 9; 7 /0A.+$.-=2 9; W2 <*,<2 .0 ,- .5-/ -.8 ,<

I C R+(1 -), E,/1,#/*7 33 ; "-,# (./ (%:),#-,.C . //"12-(1 =,1-(, = =),.,-),"12 =*# /"1"12 *1/:(; ;*1/,/)"; *#),/(,# *17 ,A8,..7-(6, #,*-,/3 =)"%#-),/"11,. =*#2("12 > 0 <(% "+ L B -, ,%%,=3# "0, (0 (./ "/; (8-) <(% """ +!U *1/1(-_ -=(8%/ *++,*.67 *3 %,--,.0.(; (;.-(" ". *; ,# *:@"1-(#) /*-,/-),-)(0 *18*.7 0(%%(="12)-*-B //"12-(1 *, #,:(1/-"; ,#)*.,/-"..,"123#)(; ,%7 0*.,*- ,=&4C 1-),-)M 9"1#-*1- //"12-(1 /"1,/*- ,=-F-:9*9-,-,?*1)(1(8.1(-:(10,..,/(1 *17 #865,:- #"1:, (./ 8-,3 4E M; / <(% "+ (./ (%:),#-,.B# "*.",#7(% "+ L! %",0(%%(="12 /(:.%; ,1-"1-),)*1/9 =."-"12 60 ,(.2,-),)"./,1/(.#,/67)"; 4C .*0-(0 * ,##*2,-(6(-) (8#,# (0 *.%"*; ,1-0(.2.*1-"12 * +,1#"(1 0(. %"0, -(-),, .7 //"12-(1D4

* +,662' -' A/7+' &//-,2 N873*6 */5 /* (*1 ,-7$-=' 6'
I' 4.6' 1/-,' 7.+' 8/+B,8 $-,< 7=' 4, 0+0/-1,< 5,-6/+6'
7.' * ' 4.6' 3,+' /+' , ,#. *+?' /' 7,' -*1.8=' 7*6' / <'
$ /-2' .+<' .0 ,-4.-<6' 6,8-, .-=' -' /1 *+,2 *67/5' /0'
*+8/ +' .+<' ,.+' /0' ' ' .$ 062' .+<2' /+' 7,' / 7,-' 7.+<2' .6'
*' 4.6' 47*65,-,< 7.' 7,' *+?' 4.6' +/' ,66' .+N*/$6' 0/-'
7,' .<#.+8,1,+' /0' -' &.++,-6' '$ /+2' *67/5' /0' /-G
4*87' .+<' ,.+' /0' F*+<6/-2' .' ?//< <,.' /0' *+ ,-,6' .6' /'
7,'-,6$' ' 4.6' ,N8* ,< .1/+?' 7,'0-*,+<6' /0' 7,'-*#.' 5-,G
. ,6' ' &-' * IL' 4-* ,6' *67/5' /1 *+,' /' /6,' /+' 7,'
-<' /0' ,8,13,-2' '1,.+6' /' 4-* ,'0$ ='$5/+' 7,' 6$3B,8 2'
47*87' 7,' 7*+M6' 3, ,-' 7.+'8/+#,-6. */+' *+' 7,'5-,6,+'
6 . ,' /0' 7,' *+?' ' .1'8/+0*<,+' 7.'7,'4* ' </' ,#,-=G
7*+?' *+' 7*6' 5/4,-' 67/-' /0' .36/ $,'0/-8, L' 7,' *+?2'
/+' 7,' / 7,-' 7.+<2' 7.<2' <$-*+?' 7*6' 6 .=' . ' $00+, 62' ,NG
5-,66,< 7*6' 8/+#*8 */+' /' /6,' 7.' * ' 4/$ < 7-/4' +/'
<*00*8$ *,6' *+' 7,' 4.=' /0' 7,' , ,#. */+' /0' -' &.++,-6'
'$ /+' ,4'5,-6/+62' 7/4,#,-2' 47/'M+,4' 7,'0*-1+,66' /0'
* 06' 87.-.8 ,-2',N5,8 ,< 7.' 7,' 4/$ < 5-/#,' 6/' .88/11/0'
<. *$?' .6' 7,' *+?'*1.?*+,<' ,#,-7, ,662' 7,' *+?' 6$8G
8,,<,<'*+'?.*+*+?' 7,'<.=' ' 0'.' -*#. ,' ',8-, .-=' /0'.' *-6'
&*+*6 ,-2L' 7,'6.*<2' '*6' /' 7,'5$' . ' 7,'7,.< /0' 7,' (7$-872'
'67. ' 7.#,' . ' 1=' *67/56' 5.- =01,+' .+<' 5/ * *8*.+6 LT'
7,' 8*-8$16 .+8,6' $+<,-' 47*87' -' '$ /+' /3 .*+,< 7,'
-*1.8=' 7.#,' 3,,+'#.-*/$6 =' -, . ,<2' 3$' 7,' -$,'#,-6*/+'
4/$ < 6,,1' /' 3,' 8/+ .*+,< *+' 7,'0/ /4*+?' ,N -.8' /0' .'
, ,-' 0-/1' 7,' ,#,-,+<' ' ' -*+? /+' /' 7,' . ,' &-

"# +.,#,.<,/' * ; (12' -),' %/(1' &4C'),' "12' "# #(' 08%%7' "; +.,##,/' S="-)' -),'
/"%"2,1:,'*1/' *6"%"-7' =)":)' -),' "2)-' (1(8.*6%,' ,1.7' //"12-(1')*# #)(=1' "1'
-),'/"#:)*.2,'(0' -),'/8-",# (0' +,*@,.'(0'-),' (8#,'(0' (; ; (1# 0(.'-=,%<,'7,*.#' *1/'
(0')"#)*1/#(; ,%7' :(; "120(.=*./'-%'.,,'7,*.# *2(' -(' #8++(.-')"# "12' *1/':(81-.7'
=),1'*--, ; +-# =,.,')*.6(8./' (0' -),' ; (#-' /*12,.(8# -,1/,1:7' -(')-),',>"#-,1:,'(0'(8.'
:>:,R(1-')8-F' #-*6%"#) ; ,1-' -)*-')"# *5,#-7' :*11(-' /(86-' 68-' -),' (8#,' (0'
(; ; (1# ="%%' ,1*6%,')"# *5,#-7' -(' #,--%,' (1' -),' #*"/' "2)-' (1(8.*6%,' ,1.7'
//"12-(1'-%",'#* ; ,'+,1#"(1'0(.'%"0,' =)":)')*# 6,,1' 2"<,1' -(' 0(. ; ,.' +,*@,.# (0'-),'
(8#,'(0' (; ; (1#? #8:)'+,1#"(1'(1%7' -(' -*@,' ,00,:-' =),1'),'#)*%%')(%/'1('%8:.*-"<,'
(00":,'81/,.'-),' .(=1D4 %/(1' ; ' ."2"1*%' (' /*-,
I' (#,3# "*.",#'<(%'""'+' ' -' (./' *%; ,#68.73# "*.",#'<(%'"<'+'! !

(-/M,- 7, 4-* ,- ,65,8*. =-,0,-6 /.5.66.?,*+ '*-
.7.+*, F-.N. 6P /6 7$1/$6&,1/*-62C47*87 4/-M7.<
-,8,+ =3,,+6,#,-, =7.+< ,<*+ 7,PQ$.- ,- = ,#*,4C
 -,@$*-,6+/?-,.6.?.8* =/<*68/#,-47/*6 7,.$7/-
/0 7,.-*8 ,/+9 A"=D "2 7,-,*6 6/1, -$7*+
7*6 6/-=/0 * 6/55/6*/+/ 7, .55/*+ 1,+ /0 -87G
3*67/5 '$ /+2 3$ 3, 7.6 65/* ,<* 2 4.6 .0.#/$-* ,
6/-=4*7 -*1., ' $.-2A 47/2 3= 7, 3=,2 <*< 7/ /#,
7, -,1*,-1/-, 7.+ '*- .7.+*, 7, *+?-,8,*#,<
.1,66.?,0-/1 * 7. -873*67/5 &//-,4.6<,.<2.+<
7. 7, 4/$< 4.*$5/+7*6 &.B,6 =7, +,N 1/-+*+?
7, *+?2 6$65,8*+? 7, 8.$6,2 /-<,-,< 7*6 7/-6,2 .+<
-/<, /#,- / *67/5 '$ /+2 7,+ -,6*<*+? . RF*+<6/-
, 0/$+<7, 4.6 . <*++,-4*7 6/1, 0-*,+<62 .+< 6,+ *+
7, 6,-#.+ /6.= .?,+ ,1.+4*67,< /65,.M /7*1
7, *67/5 6.*< *1 1,<*. , =7, 8/$< +/ ?/I 3$ 6/1,G
7*+?*+ 7, 6,-#.+ 6 1.++,-1.<, 7*1 87.+?, 7*6 <, ,-G
1*+. */+ F7,+7, 8.1, /$2 7, 0/$+< 7, *+?6 .+<*+?
*+ . * , <-,66*+?0-//12 +,.- 7, 7. <//- 7, *+?
//M 7*1 3=3/ 7 7.+<6 P&= /-< -873*67/5 /0 (.+G
,-3$-=J7, 6.*<V2 4*67 =/$B/= / .4/-< ?/3.8M
/=/$-?$,6 6C +* 6.--*#. 7, +,N <.=2 7, *+?
6.*< /7*1 7, 4.6 6$-, 7, 4/$< 3, ? .< /7.#, .+
/55/- $+* =/0 5-/#*<*+?0/- .1/6 <,6,-#*+?0-*,+< .+<
-, .*#, P <0-*,+<2*+<,,<2C6.*< * 2P3$ =/$-&.B,6 =
*6 1*6 .M,+.6 /7, ,-, 3,*+?.+=-, .*/+67*5C 7, *+?2
+/ 1*+<*+?7*12 .67,< /+ P +< 7,+ * *6 6$87 .?//<
7*+?0/-7*6 4,#, 87* <-,+C 7*6 4.6 @$* , //1$87
0/- 7, -,1*,-2 .+<7, 6.*<2 P *67/5 -, =1.+ .1 8,-G
.*+ =1/6 .+N*/$6 /5-/1/ ,I[3$ 7, *6 +/ 1=-, .0

I E.*>*%%3#M (#-)8;(8# ,;(".#(0)"#(=1 ";,3<(%'""'+ ! '*1/'MH8*.-,.%7
,<",=3<(<""'+'UUU'c:
-1*;,'2"<,1'67-),'%*-, ,(.2, ,%=71'-(".' *-)*1",%E.*>*%%'),'%*--,.'
=*#.,-8.1,/'-(*.%"*;,1-'67 ,%=71'0(.')"#6(.(82)'(0 822,.#)*%%
, ,' '+' ! '

Z "#)(+ .,-7;*1')*/':)*12,/')"# 1*;,'-((;%"1,'(1':(;"12"1-(-),'+(##,#G
#"(1'(0#(;,'<*%8*6%,',#-*-,#"1' "1:(%1#)".,'"1' !

E KKV U L

*#,2 +/-7.6 7,6$87.0.1*=C P 7/9 7/9C6.*< 7,*+?2P**6+/-,=1.+D47/1 1,.+27$'$ /+C P 67/$<7/5,2C6.*< * 2P *.7,. ,+6.+<*,-.-=,1*G +,+8,Y P 8.+C3,2**8.+C3,I 7.#,. -,.<=4*67,<'$ /+B/=2.+<7,1$6?/ /(.+ ,-3$-=CL * 2**6,,162 4.6,N8,,<*+?=.+?-=.7.#*+?3,,+/#,--,.87,<3=7,.+?/-<'*<1/$7/<,.+&*1.+7.7,3,*,#,<6$87 6-/+?.+?$.?,7.<-.-,=,#,-5.66,<3,G 4,,+.'/#,-,*?+.+<7*6&*+*6,-T

:;

PE" 3 '!_" L

C),"12(1.,:,"<"12.""--3#1(-,')*#/".,:-,/(./ *=@,#68.7-(')*<,'-),'1,:,##*.7"1#-.8;,1-#+.,+*.,/0(.'-.*1#G %*-"12-),'"#)(+(0(.=":)'-(')','.:)6"#)(+.":(0*1-,.68.7'),'"#)(+.":(0(.=":)'"#=(.-)'! ',.'*118;'-),.,0(.,' ;*7+.(<,'*1'*2.,,*6%,'-.*1#"-"(1'-(')(#,'(0-),'%,##<*%8*6%,' ,,#D-

I' .(@,.' ' ."2"1*%' -' *.%-*1)(+,B# "0,'(0"--'<(%'"<'+' L -'6"/'<(%'"<' ++,1/">'+'>>"

(' %

), " 12 9 "1')"2)'), *%-)' *1/' #+"."-# 4' 1#-*%%*-"(1' (0'-), " 1"2)-# (0'-)(' *.-,.'*-'
E"1/#(.' 4' ,*-)' (0'-),B *.%B(0' (##%71' 4' ,*-)' (0'-), " 123# 6.(-),.'-), ' 8@H'
(0' %(8:,#-,. 4 .(:,,/"12# *2*"1#-' (./' ,%<"%%,' "1' *.%"*;,1-' 4' "--3#' /"#-.,##'
(0' ;"1/' (1' -), ' (::*#"(1' 4' ,:*7' (0'-), " 123# ,7,#"2)-' 4' ,:,##"(1' (0' (./'
"/;(1-)' 0.(;' "--3# "1"#-.7' 4' ."1/%7'+*.-"128 6,-=,,1'-),;' 4'), " 123#
(%/' 0.",1/' .#' (=, 4 >+,/"-"(1'-('-)(' *+,' (0' (((/' (+,

' *,' <,5.- $-,' /0' 7,' =,.-' 9; _' .55,.-' /' 7.#,'
?-.<$. ='5.66,<'.4.='7.'<,5-,66*/+' /0' 65*-*6'.+<' 7/6,'
3/<*=E.*1,+6'3='47*87'7,' *+?' 7.<'3,,+'0/-'6/'1.+='
1/+76'5,-*/<*8. ='.00*8,<' &/-,/#,-2'7,' 7.<'0,4,-'
8.$6,6' /' <*6-,66'7*1' 7.+'5-,#*/$6='/'7*6'*+,66' ,'
7.<'6$88,,<,<'*+'6-,+?7,+*+?'.' /#,-+1,+'47*87'4.6'
.?-,,.3,' /'7*1' ,'4.6' /+'.6'?//<' ,-16'4*7'7*6'
,<,6'6/+'.6'3,'4.6',#,-'*M,='/'3,'I.+<'.6=2'7,'4.6'
?-.*0*,<'3,=/+<'1,.6$-,' .'7.#*+?'6,8$-,<'7,'?$.-<*.+G
67*5'/0'7*6'*+,-,6*+?'?-.+<0<.$?7,-2'7,' -*+8,66'(7.-G
/,' H+<,-'7,6,' 8*-8$16.+8,6'F*+<6/-'(.6,' /+8,'
1/-,' 3,8.1,' 7,' /88.6*/+.' 68,+,' /0'?.*,=2'.+<',#,+' /0'
65,+</$-' +' 7,' W7'/0' ,3-$.-='7,' *+?' ?-.*0*,<'
7,' =/$+?,-' -*+8,66,6'3='?*#*+?' .'1.?+*0*8,+'7.H' /'
0/$-' 7$+<-,<'?$,6 62'.1/+?' 47/1' 4,-,' 7,' -*+8,66'
(7.-/,2'.+<',*?7='/+'7/=62'47/1' 7,'?//<0+.$-,<'
*+?'7.<'7*16,0'?/+,' /' /+' /'*+#*,' /' 7,' (.6,2'.+<'
47/2'3='7*6'/-<,-6E'4,-,'-,?.,<*+'7,' -,6,+8,'(7.13,-'
7,' +,N' <.='7,' Q$,,+' ?.#,' .' 1/-+*+?' 0w,' *+' 7,'
?.-<,76'.' -/?1/-,

4* 7' 7,1' $1,-/$6' . ,+<.+ 62' . ' ?/-?,/$6 =' . *-,<2' .+<
65.-M *+?' 4* 7' <*.1/+<6' 7,' +*?7 6' /0' 7,' .- ,-'
/88$5*,<' 7,*-' -,65,8 *#,' 6 . 62' *+' 7,*-' 5$-5 ,' -/3,62' .+<
8.56' 4* 7' .-?,'5 $1,6' /000,. 7,-6' 7,' +*?7 6' , ,8 2' /0'
47/1' 7,-,' 4,-,' 6,#,-. 2' 6. '3, /4' 7,1' ' , ,#,+' 7,'
/-?.+' 6 -$8M' $5' f 7,' </!-6' 4,-,' /5,+,<2' .+<' 7,' *+?'
,+ ,-,<2' 0/ /4,<' 3=' 7,' -*+8,' /0' F. ,6' .+<' 7,' / 7,-'
-*+8,6' /0' 7,' 3 //<2' *+8 $<*+?' 7,' $M,' /0' /$8,6 ,-'
.+<' 7*6' 6/+' -*+8,' F* *. 12' .+<' 7,*-' . ,+<.+ 6' ,#,-'
67. ' '0/-?,' 7,' 8/+6 ,-+. */+2' *0' +/ ' 7,' 7/--/-2' 47*87'
7,' 6*?7' /0' 7,' B+?' 5-/<$8,<' ,' //' 4/-,' 7,'
5$-5 ,' -/3,' .+<' 7,' 5 $1,<' 8.52' 3$' 7,' 7.<' /+' 7*6'
7,.<' .+' ,+/-1/$62' 4, 05/4<,-,<2' 0 /4*+?' 4*?2' 6$87' .6'
4,' 1.=' 6,,' *+' 6/1,' / < 5*8 $-,6' .6' 4/-+' 3=' 7,' /-<
(7.+8, /-6' .+<'A$<?,6' /0' 7/6,'<.=6' 7,' ,+<6' /0' 7,'4*?'
0 /4,<' </4+' 7*6' 67/$ <,-62' .+<' +,.- =' 8/#,-,<' 7*6' 87,6 '
**62' .<<,<' /' .+' $+$6$. =' -,<' .+<' .+N*/$6' 0.8,2' ?.#,' .+'
1 1,<. ,' *15-,66*/+' 7. '+/ 7*+?' 3$ '*+6.+* =' 8/$ < 7.#,'
,<' /' 7,' *+?' .55,.-*+?' .6' 7,' 7,+' <*<' Q$* *+?' 7*6'
6 . 2' 7,' *+?' 5-/8,,<,<' /' 7,' . .-2' 3/4*+?' 7-,,' *1,6'
.6' 7,'4,+' $5' /' * ' 7,-,' 7,' 1.<,' 7,' 6. ' /00,-*+?2'
.+<' -, *-,<' ,' 4.6' 0/ /4,<' 3=' 7,' -*+8,' /0' F. ,62'
47/' 7.<' *+' 7,' 1/-+*+?' <,8 .-,<' 7*6' -,5$?+.+8,' /' 3,'
1.<,' .' 5$55,' *+' 7*6' 0. 7,-06' 67/4' *6' 3/46' 4,-,'
.+N*/$6 =' 4. 87,<2' .+<' ?-.8,0$' 7,=' 4,-,' 7,' 1/6'
5,-0,8' 6* ,+8,' 5-,#.* ,<' 47* ,' 7,' .<#.+8,<' /' 7,' . .-2'
.+<' 47,-,' 7*6' 0,, *+?6' 8/$ < +/ ' 7.#,0' 3,,+' /0' 7,' 1/6'
5 ,.6.+' M*+<2' *+' 7,'5-,6,+8,' /0'7*6' -,5$<*. ,<' 4*0,
' 7,'68,+,'*+' ' ' ,/-?,06' . ' 4.6' 1/6' 65 ,+<*<' .+<
15/6+?' 7,' -/=.' .3,' 4.6' -.*6,<' /+' .' <.*62' .' 7,'
7,.<' /0' 47*87' 7,' *+?' 6. 2' 6 * ' *+' 7*6' 0 /4*+?' 4*?' 7,'
-*+8,' /0' F. ,6' 4.6' /+' 7*6' -*?7 '7.+<' .87' 1,*+3,-' /0'
7,' /=.' .1* =' 4.6' 4.* ,<' *I5/+' 3=' .' +*?7 '/0' 7,' . 72'
.+<' ,.87' +*?7 '/0' 7,' . 7' 3=' .' =/$+?' +/3 ,1.+' *+' .'
0.+8=' <-,66' 7,' -*+8,' /0' F. ,6' //M,<' ,N7.$6 ,<' .+<

/$‘ /0‘ 65*-* 6‘ +/-‘ <*< *,‘ ,N87.+?,‘ /+,‘ 4/-< 4* 7‘ 7,‘ *+?‘ <$-*+?‘ 7,‘ 47/ ,‘ /0‘ 7,‘ 3.+@$, ‘ 6‘ 6//+‘ .6‘ 7,‘ -*+8,‘ 4.6‘ 6,. ,<‘ 7,‘ .6M,< '*-‘ A/6,57‘ .+M6‘ 47/‘ 4.6‘ 3,7*+< 7*6‘ 87.*-‘ 0/-‘ .‘ $13 ,-‘ /0‘ 8 .-, ‘ ‘ 4.6‘ 3-/$?7 ‘ 3$‘ ‘ 7,.-< '*-‘ A/6,57‘ 47*65,-‘ /‘ 7*1‘ 7. ‘ * ‘ 4.6‘ .‘ 5.-‘ /0‘ 7,‘ 8,-,1/+=‘ 7. ‘ +/‘ /+,‘ 67/$ < <-*+M‘ * ‘ 7,‘ 7,-. < 7.<‘ 5-/8 .*1,< 7,‘ 0*-6‘ /.6 ‘ ,‘ 7,-,0/-,‘ <,8 *+,< 7,‘ ,15 *+?‘ 8$5‘ 1$87‘ .6‘ 7,‘ .55,.-,< /‘ +,,<‘ * ‘ ‘ ,+? 7‘ 7,‘ -$15,‘ 6/$+<,<‘ .‘ /.6‘ 4.6‘ ?*#,+‘ .+< 4*+,‘ 4.6‘ <-$+M‘ ‘ , ‘ .0 ,-4.-<6I

‘ /4+‘ 7,‘ 7. ‘ /+‘ 7,‘ -*?7 07.+< 6*<,‘ /0‘ 7,‘ 7-/+,‘ .‘ .3 ,‘ 4.6‘ 5-,5.-,< 0/-‘ 7,‘ 47/ ,‘ /0‘ 7,‘ +*?7 6‘ /0‘ 7,‘ .- ,-‘ 7,+‘ 5-,6,+‘ .‘ 47*87‘ 7,=‘ 6.‘ *+‘ 7,*-‘ -/3,6‘ .+< 5 $1,<‘ 7. 6‘ 4* 7‘ 7,*-‘ 3.8M6‘ /‘ 7,‘ 4. ‘ +‘ 7,‘ /55/6* ,‘ 6*<,‘ 4.6‘ .‘ -.*6,< ?. ,-=‘ 7,‘ 47/ ,‘ ,+? 7‘ /0‘ 7,‘ 7. ‘ *+‘ 47*87‘ 7,‘ Q$,,+‘ .+< -*+8,66,6‘ 6. ‘ .+< .‘ ?//< =‘ 8/1G 5.+=‘ /0‘ .<*,6‘ *+‘ 0$ ‘ 8/$-‘ <-,66,6‘ +‘ 7,‘ /4,-‘ *,-‘ ‘ -,1,13,-‘ 7.‘ 7,‘ 8, ,3-. ,< $87,66‘ /0‘ /-</+‘ .+< &-‘ * ‘ 6.‘ /?, 7,-‘ 7,‘ 47/ ,‘ 68,+,‘ 4.6‘ /0‘ ,N -./-<*+.-=‘ 3-* *.+8=‘ .+< *+ ,-,6‘ .+< 6$87‘ .6‘ 5-/3.3 =‘ 4* ‘ +,#,-‘ /88$-‘ .?.*+‘ *+‘ 7*6‘ 8/$+ -=‘ ‘ 4.6‘ +,.- =‘ <.-M‘ 47,+‘ 7,‘ *+?‘ -, *-,< 0-/1‘ 7,‘ 7-/+, ‘ 7,‘ /+ =‘ P .M,0/00C 4.6‘ 7,‘ *+?06‘ 4*?‘ .+< 7*6‘ #,-=‘ ,N8* ,< 6 . ,‘ /0‘ +BE+<I‘ .+< *‘ 4.6‘ ?,+,-. =‘ .66,- ,< .‘ F*+<6/-‘ /+‘ 7,‘ <.=‘ /0‘ +6 . . */+‘ 7.‘ 7,‘ Q$,,+‘ 7.< +/‘ /+ =‘ $6,< .‘ 7,-‘ *+0 $,+8,‘ /‘ *+<$8,‘ 7,‘ *+?‘ +/‘ /‘ .55,.-‘ *+‘ 7*6‘ 1/+G 6 -/$6‘ 4*?‘ 3$ ‘ 47,+‘ 7*6‘ 7.< 0.* ,<‘ 7.< ?/+,‘ </4+‘ /+‘ 7,-‘ M+,,6‘ /‘ *15 /-,‘ 7*1‘ /‘ . ,-‘ 7*6‘ -,6/ $ */+I‘ 3$ ‘ .6‘ 4,‘ 7.#,‘ 6,,+‘ 4* 7/$‘ 6$fS3,66 ‘ ‘ *6‘ 5.*+0$‘ /‘ . ,+< 7,‘ *+?‘ 7-/$?7‘ 7*6‘ <*00,-,+‘ . .8M6‘ /0‘ 1,+ .

I‘ "1*‘ =*#1(-‘-),‘0".#-‘(::*#"(1‘(1‘=)":)‘-%"(‘ "12‘)*/‘*++,*.,/‘"1‘+86%":‘"1‘-)"# ,::,1-.":‘),*/92,*.‘ %%8/"12‘-(‘-%",‘(+,1"12‘(0‘ *.%"*;,1-‘(1‘-),‘ L-)‘(0‘ *18*.7‘ L‘ %(;,.‘(1‘-),‘% -%"‘=."-,#-(‘ ""B * ;,# *:@"1-(#)‘&4 C E%.'%,‘-".,‘ "12‘"#‘*# ,00":",1-‘(# *-‘+.,#,1-‘=(‘#)*%%)*<,‘-),‘#*-"#0*:-"(1‘(0‘#,,"12‘-"%"12# 2(‘(1‘"1‘-),".‘ 8#8*% :(8.#,‘-)(82)‘),‘/"/‘;*@,‘)"# 2.*:"(8# #"",,:)‘0.(;‘-%",‘).(1,‘"1‘(1,‘(0‘ -)(#,‘0%(="12‘ ."2*/",.‘ ="2#‘=)":)‘(1,‘#,,# "1‘-),‘(%/‘+(.-.*"-# (0‘ "12‘E"%%"*;‘ *1/‘ *.%6(.(82)D4E / M‘; / ‘<(%‘"‘+‘ !

‘ ‘

.3,--. */+‘ . 3,-‘ ,‘ $6‘ 6,,‘ $1‘ 0/ /4*+?‘ 7*6‘ 6 .?0‘ 7/$+<6‘ . /+?‘7*6‘ 7$+<-,< 1* ,6‘ /0‘?-, ,+‘<-*#,6‘*+‘ F*+<6/-‘ /-,6‘2‘ +/42‘ . .6‘3-/M,+‘$52‘ . 7/$?7‘5,-7.56‘ /+,‘ /0‘ 7,‘ 0*+,6‘.55.+.?,6‘ /‘ .‘ -/=.‘ -,6*<,+8,‘ *+‘ 7,‘4/-<‘ ,‘ $6‘ 6,,‘ 7*1‘ . M*+?‘ M*+< =‘ .+<‘0.1* *.- =‘ 4* 7‘ **6‘0.-10‘ .3/$-,-62‘ /-‘ ,+ ,e*+?‘ 7,*-‘ 8/ .?,62‘ .-$‘ 6,+<*+?‘ 7,1‘ 6/1,‘5-,6,+‘47*87‘ 1*?7‘ .<< /‘ 7,*-‘8/10/-‘ ,‘ $6‘ 6,,‘7*1‘*+‘ 7,‘ ,#,+*+?‘-,.<*+?‘ '7.M,65,.-,‘ /‘ 7,‘ Q$,,+‘ .+<‘7*6‘<.$?7 ,-62‘ .+<‘ 7,+‘ -, *-*+?‘ /‘ -,6‘4* 7‘ .‘ 1*+< 8/+68*/$6‘ /0‘+/‘4-/+?2‘3$‘2‘ /+‘ 7,‘8/+ -.-=2‘-,5 , ,‘4* 7‘ M*+<2‘?//<2‘ .+<‘3,+,#/ ,+‘0,, *+?6 L

6‘ 7,‘ *+?‘4.6‘ +/4‘*+‘7*6‘6*N =06,#,+ 7‘ =,.-2‘* ‘4.6‘ /+ =‘ /‘3,‘ ,N5,8 ,< 7.‘5,-6/+6‘0/-‘47/1‘7,‘ ,* 7,-‘ ,+ ,-G .*+,<‘ .‘5,-6/+.‘-,?.-<2‘ /-‘47/‘7.<3, ,+‘*+ *1. , =‘ .66/G 8*. ,<4* 7‘7*1‘*+‘ 7,‘5/ * *8.‘ /88$--,+8,6‘ /0‘7*6‘87,@$,-,< -,*?+2‘67/$<3,?*+‘ /‘ <-/5‘1/-,‘0-,@$,+ =‘*+ /‘ 7,‘?-.#, ‘ +‘ 7,‘ +< /0‘A.+$.-=2‘9; W2<*,< 7,‘ .-‘ /0‘ /66 =+ Y‘ 1/-,‘ 0.1* *.- =‘ M+/4+‘ .6‘ ,N.+<,-‘ F,<<,-3$-+2‘ .+< .0 ,-4.-<6‘ .6‘ /-< /$?73/-/$?7 Y 47/2‘6/1,‘ *1,‘5.6 2‘ 7.< 0*N,< 7*6‘ .3/<,‘ *+‘ 7,‘ +,*?73/$-7//< /0‘ F*+<6/-‘ /‘ /+,‘ 8/$<3,‘3, ,-‘ .8@$.*+ ,< 7.+‘ 7,‘ *+?‘ 4* 7‘ 7,‘ -$,‘87.-.8 ,-‘ /0‘ 7.‘*+ -*?$*+?2‘ 7/$?7‘ .88/15 *67,< 1 .+f =, 2‘ .6‘ 7,‘ ,N0 7.+8, /-‘4.6‘ +/‘ /+ =‘7*6‘ +,.-‘ +,*?73/$-2‘3$‘ .6‘7,‘4.6‘ . 6/‘ ,+</4,<4* 7‘ .‘8$ *#. ,< 1*+<2‘ .+<4* 7‘ 8/$- =‘ .88/15 *671,+ 62‘ *‘4.6‘ +. $-.‘ 7.‘ 7,‘ *+?‘67/$<-,8,*#,‘7*12‘47, 7,-‘ .‘7*6‘ /4+‘8/+G 8,-6‘ .‘ 7,‘ (.6 ,2‘ /-‘ .‘ 7,‘Q$,,+65.-*,6‘ .‘ -/?1/-,2‘ .6‘ .‘4, 8/1,‘ ?$,6‘ ‘ 4.6‘ /+‘ 7*6‘05-,8.-*/$6‘ ,#*<,+8,‘ /0‘-/=.‘0.#/$-2‘ 7.‘ /-< /66 =+2‘ 7/$?7‘ +, ,.- =‘ *+‘ 7*6‘ 6,#,+ =0 7*-< =,.-2‘ *6‘ 6.*< /‘ 7.#,‘ 6 * 2+/$-*67,< 7/5,6‘ /0‘ 3,*+?‘ -,*+6 . ,< /+‘ 7,‘ 4// 6.8M‘ ‘ ,‘4.6‘ .*< /+‘ 7,‘67, 02L‘4-* ,6‘ /-< -/$?7.12‘ ‘.+<2‘.6‘7*6‘ .6‘1/#,2‘ 7,‘-, *-,< /‘ .‘#* .‘ -,1.-M.3 ,‘0/-‘* 6‘4.+‘ /0‘ . ‘3,.$ =‘ .+<‘E. ‘ 8/10/-62‘ 3$‘ -,8/11,+<,< 3=‘ * 6‘ +,.-‘ +,*?70

F* *. 1 & .-@$*6 /0 .+6</4+,2 3, ,-M+/4+ .6 7, .- /0 '7, 3$-+, .+< .6 7, & . .?-*<.L 0 0/-1,-2=,.-6 *6 <,. 7 //M 5 .8, /+ 7, : 7 /0 &.=2 9; W2 . 7, .?, /0 6*N =0,*?7 7, ,,-.?,6-,5-,6,+ 7*1 . 7, *1, /0 7*6 <,8,.6, / 7.#, 3,,+ 7, / <,6 ,+,-. /+ 7, -1= *6

+/ 7,- <,. 72 47*87 //M 5 .8, +,.- = . 7*6 *1,2 4.6 7. /0 7, *+?05 .6 6$-#*#*+?3-/ 7,-2 F* *. 1 ,+-= $M, /0 /$8,6 ,-2 47/ ,N5*-,< . /$8,6 ,- /$6,2 /+</+2 /+ 7, W 7 /0 $?$6 2 9; W2 *+ 7, 6*N =06,8/+< =,.- /0 7*6 .?, 7, *+?2 * 1 .=3, -,G 1,13,-,<2 7.< /#,<7*1 7, 3,6 /0 .+= /07*63-/ 7,-6 $5 / 7, *1, /0 7*6 8 .+<,6 *+, 1 .--*.?, 4* 7 7, * ,?* *G 1. , <.$?7 ,- /0 '*- <4.-< F. 5/ ,2 6*+8, 47*87 .8 /0 *15-$<,+8, 5,-0,8 8/-<*. * = 7.< +,#,- 3,,+ -,6 /-,< 3, 4,,+ 7,1 7, $M,05 <,8,.6,22 7/4,#,-2 6,,16 / 7.#, -,#*#,< / < 1,1/-*,6 .+< .00,8 */+6 *+ 7, *+?05 3-,.6 2 6/ 1$87 6/ 7. 4, .-, / < 7*6 1*+< 4.6 <,,5 = .00,8 ,<L 3= 7, ,#,+ ?-,,.3 = 4* 7 7, 4*67 /0 7, . , $M,2 7*6 -,1.*+6 4,-, *+ ,--,< *+ ' ,/-?,05 (7.5, 2 . F*+<6/-2 4* 7/$ 7.#*+?3,,+ 6$3B,8 ,< / 7, 5-,#*/$6 5-/8,66 /0 ,13. 1*+?0

7, 0/ /4*+?6, ,8 */+ /0 -/=. , ,-62L 4-* ,+ . /- .3/$ 7*6 5,-*/<2 8.+ 68.-8, =0.* / 3, -,.< 4* 7 *+ ,-,6 7,= ,#*+8, 7. 2 7/4,#,- $+0* *. 1 .= 7.#, 3,,+ 7, 8/+<$8 /0 /+, /0 7, *+?05 6/+62 7,-, 4.6 . ,.6 /+, /0 7,1 / 47/1 7, 4.6 .+ /3B,8 /0 #,+,-. */+ .+< /#,I 7. 2 . . 6,.6/+ 47,+ 7, 4.6 7-,. ,+,<2 4* 7 /66 /0 #*6*/+ .+< 4* 7 -, $-+*+?* *+6.+* =2 7, +,#,-G 7, ,66 8/+ *+$,< / *+ ,-,6 7*16, 0 .6 1$87 .6 ,#,- *+ 7, /3*?. */+6 .+< <$ *,6 /0 *0,I 7. 7*6 .00,8 */+6 -,G 1.*+,< $+87* ,<2 .+< 7. 7*6 .00*8 */+6 4,-, ,+<$-,< 4* 7 $+8/15 .*+*+?6$31*66*/+ / 7, 4* / 0 ,.#,+ 2 1.= 3, 1,+ */+,< 7. 2 *+ 8/+6,@$,+8, /0 7, *+0

8-,.6*+? <,8.= /0 7, *+?06 6*?7 2 7*6 '5,,87 0-/1 7, 7-/+,2 . 7,8/11,+8,1,+ /0 7,' ',66*/+P/0 9; W20 4.6 7, .6 47*87 7,,#,- <,*#,-,<5,-6/+. =*+ .-*.1,+2 0.+< .6/2 7.2 /,+.3, 7*1 /-,.<*4*7 7,?-,., - 0.8**=2**4.6 5-*+ ,< 7,6$36,@$,+ '5,,87,6 0-/1 7, 7-/+,* 7,,?,+8=*+ 9;992 4,-, <,*#,-,<3= (/11*66*/+

0 3% : * "

"7)

#<) %(E61"

C 3 9; ' (N L

: "# / 9 (65,:-? -(#-*1/ 67 / *- -"; ,# ;7 0".#- /8-7 *1/ ;7 "1:%"1*-"(17 *1/ -)"1@ :*11(- +.(<,-)"# ;(.,#-.(12%7 -)*1 67 +%,/2"12 ;7#,%0 *# /"/ =),1 0".#- .,:,"<,/ ;7+,,.*2,#+(1-*1,(8#%7 *%=*7# -(#8++(.-)"# #,.<*1-# =),.,; 70,,6%,<("::,(8%/6,(0 8#,)*<,,<,.*:-,/8+-(-)"# +.(0,##"(1 *1/,<,.="%% 8-"-5# 1(-;7#7#-,;-(*--,1/ *."%"*;,1- -),.="#,? -),.,0(.,#(%":"- -(6,"10(.;,/67 7(8. (./#)"+ =),1 *;=*1-,/-)*- ;*7 1(- 6,*6#,1- *<"12 #*"/-)"# 1(=6,2%,*<,-(*/ /-)*-*#-),"12.,;*"1# *- E"1/#(.-"%% 8,#/*7-),-)"1#-*1-"-"# ;7="#)-(6,*: (8+%,(0 /*7# ="-)")";"1-)*--";*1/-),.,0(.,*;*1>"(8# -(%,*.1 0.(;7(8. (./#)"%N "0 #)*%% 6,=*1-,/"1-),:(8.#, 0 -),1,>-=,,@*1/(1=)*- /*7#"#(*# 1(--(6,0.(;),.,(1#8:) *#7(8#)*%% 1*;,D0

: * "

C !BE H ,6 -fl L

C),"12*8-)(."V,#-),(./)*1:,%%(.-(*:A8*"1--),
."1:,(0 E*%,#-)*-)"# *5,#-7)*#-)"# ;(.1"."2.,:,"<,/1(-":,
(0 .# *;+6,%%3# *::,+-*1:,(0),1(;"1*-"(1*# #8692(<,.1,##
(0)"# /,*.%7 6,%(<,/2'9*1/9F/*82)-,.-),."1:,##)*.%(--,?-)8#
:(;+%,-"12-),;(#-1,:,##*.7*--,1/*1-# (1-),7(812 ."1:,##
),"12*++.(<,# (0-),*.(1,## /,%'00(./-*@"12-),:)*.2,
(0-),."1:,##=),1,<,."-#)*%% 6,;(#-*2",*6%,-(-),."1:,
(0 E*%,#),="%%-),16,*6,--,.58/2,(0-),.,A8"#"-,#1,:,#G
#*.7"1-),%*/7#),;*7.,:(;;,1/*# *##"#-*1-#8692(<,.1,##

I "., (.2, ,="#3# -";"8"#-.*-"(1#(0 .,*- ."-*"1'+'! '
-' ="##3# "0,'(0 %/(1'<(%'"'+'U L

U ‘ ‘ ‘ ‘ W L

"1#-*1-%7‘ (0‘-),‘ 0*-,‘ (0‘-),‘ ; (-"(1‘(0‘ :,1#8.,‘(1‘ (./‘ ,%<"%%,‘0(.‘)*<"12‘#800,.,/‘ .‘ .(--,.‘-(‘ /,."<,‘ 6,1,0"-‘ 0"9(;‘6*%*1:,#‘(0‘-),‘ +86%":‘ ; (1,7‘ "#‘ *5,#-7‘-.8#-#‘-)*-‘"1‘ (./‘ ,%<"%%,‘-),.,‘)*#‘ 6,,1‘1(‘:8%+*6"%"-7‘-)(82)‘-),.,‘)*#‘6,,1‘*‘2.,*-‘=*1-‘(0‘:*8-"(1? *1/‘"1‘-.8-)‘-),‘%,--,.‘(0‘,>:8%+*-"(1‘),‘)*#‘%*-,%7‘+86%"#),/‘)*#‘ 1(-‘;8:)‘;,1/,/‘-),‘*++,*.*1:,

C‘ "#‘ *5,#-7‘=(8%/‘1(-‘*:-‘*#‘"12,18(8#%7‘"1‘.,-8.1‘"0‘),‘_/"/‘ 1(-‘;,1-"(1‘-),‘1*;,#‘-)*-‘*-‘-),‘;(;,1-‘(::8.‘-(‘)";‘*#‘=(.-)7‘ :(1#"/,.*-"(1‘*#‘),*/#‘(0‘-),‘(*./‘(0‘/;".*%-74-),‘*.%‘(0‘ %"8-)*;‘(./‘*#-%,.,*2)‘*1/‘.‘(.@,4*1/‘"0‘*‘+.(0,##"(1*%‘ ;*1‘(./‘*./1,.I‘ 8-‘-),‘"12‘;,*1#‘-(‘6,‘-(-*%%7‘816"*##,/‘ -(‘.,:,"<,‘-),‘1*;,#(0‘*17‘(1,‘(0‘-),#,‘(.‘*17‘(-),.‘+,.#(1‘=)(;‘ .‘"--‘(1‘/8(‘:(1#"/,.*-"(1‘;*7‘-)"1@‘6,#-‘#8"-,/‘-(‘#8++(.-)"#‘ /;"1"#-.*-"(1

b ‘ D-

‘: ‘ ‘* ‘:)

‘E" ‘ % 2 0 2& ‘ #"‘ L

C‘ ".,‘ "12‘"#‘67‘1(‘;,*1#‘/,#".(8#(0‘1(-‘2"<"12‘-),‘(./‘)*1:,%%(.‘08%%‘-";,‘-(‘:(1#"/,.‘-),‘+.(+,.‘;(/,‘(0‘+%*:"12‘)"#‘ /,*.%796,%(<,/‘2.*1/9/*82)-,.‘81/,.‘)"#‘,#+,:"*%‘:*.,‘-)(82)‘1(-‘ ="#)"12‘"0‘"-‘:*1‘6,‘*<("/,/‘-(‘"10."12,‘(1‘-),‘."2)-#‘(0‘,"-),.‘(0‘),.‘+*.,1-#

C‘ "#‘ *5,#-7 4 *-‘-),‘#*51,‘-";,‘-)*-‘),‘#)(8%/‘)*<,‘-)(82)-‘ -),‘*++,*.*1:,‘(0‘-),‘(./‘)*1:,%%(.‘*‘:(1#"/,.*6%,‘(.1*;,1-‘*-‘ -),‘,1#8"12‘1#-*%%*-"(1 4 7,-‘),‘-)"1@#"-‘(0‘;8:)‘2.,*-,.‘:(1#,G A8,1:,‘-)*-‘-),‘(./‘)*1:,%%(.‘#)(8%/‘#)*@,‘(00‘-%",‘.,;*"1#‘(0‘ 2(8-‘-(‘6,‘-),‘6,--,.‘*6%,‘-(‘;,,-‘-),‘=*.,‘/,6*-,#-)*-‘=%%‘6,‘ 0(.=*./,/‘"1‘-),‘(8#,‘(0‘(./#‘68-‘=)":)‘:,.-*"1%7‘="%%‘6,‘(0‘ %"--%,‘*<*"%‘-

1Y!W‘2GL

I‘),‘"1"#-,.8#:%"(":(‘0,%%‘1(-‘(1‘*17‘(1,‘(0‘-)(#,‘+,.#(1#‘68-‘(1‘*1‘(:-(2,1*."*1‘ /;".*%‘."‘)*.%,#‘"//%,-(1‘:.,*-,/‘(1‘-),‘-)‘(0‘+.%‘LP‘*.(1‘*.)*;‘ (0‘*.%"*;‘(8.-‘*1/‘,#-(1‘,1-‘"#,>*:-‘*2,‘*++,*.#-(‘6,‘81:,.-*"1‘68-‘*#)(‘ .,:,"<,/‘%""#%",8-,1*1-3#:(;;"##"(1‘#">-7‘7,*.#+.,<"(8#%7‘"1‘-),‘;"//%,‘(0‘-%"(‘ .,"21‘(0‘,(.2,‘-),‘,:(1/‘),‘;8#-‘(0‘:(8.#,‘)*<,‘6,,1‘-(%,.*6%7‘*/<*1:,/‘"1‘ 7,?".#‘),‘."1:,‘(0‘E*%,#-(%/‘(./‘(%:%",#-,.‘B0 ‘<(%‘"‘+‘LL N-)*-),‘=*# ,"2%"-79-=(‘(./‘*.""8;‘),%/‘-),‘*++("1-;,1-‘(0‘".#-‘(./‘(0‘-%",‘/;".*%-7‘0.(;‘ -),‘!-)‘+.%‘L‘-R‘,6.8*.7‘‘*1/‘#8.<"<,/‘-%%‘-%",‘-)‘(0‘81,‘! -‘*.%‘)*-)*;3#‘"0,‘(0‘"--‘<(%‘"<‘+‘>>""‘‘++,1/">

-‘),‘"12‘,<"/,1-%7‘*%8/,#-(‘(./‘.,1<"%%,3#"1-,1/,/‘;(-"(1‘"1‘-),‘(8#,‘(0‘ (./#‘(1‘-),‘#865,:-‘(0‘-),‘."#)‘*-)(%"-‘:%*";#‘),‘;(-"(1‘=*#6.(82)-‘0(.=*./‘(1‘ -),‘-)‘(0‘*7‘*1/‘=*#.,5,:-,/‘67‘‘<(-,#*2*"1#-‘U‘ Z %/(1‘ 1&2"1*%

; ' X ' ' ' ' U

-),'@"12/(;'(1'-)"#' ;(#-',##,1-"*%'A8,#-"(1 4 =)":)')"#' *5,#-7'
"#':(1<"1:,/'"0'-),' (+"1"(1#'(0'-),'+,(+%,'="-)(8-'/((.#':(8%/'),'
@1(=1'=(8%/'+.(<,'*'#-m%'%*.2,.';*5(."-7'(1'-)"#'(::*#"(1 4 -)*-'
),'-.8#-#"-'="%%'1,<,.'6,'6.(82)-'0(.=*./'*2*"1

b' ' D'I

H': ' ' ; '

C' 3 '# ' L

C'),' "12')*#'2.,*-'#*-"#0*:-"(1'"1')*<"12'51#-'%,*.1-'0.(;'
.' "--'-),' *++,*.*1:,'(0'-),' (8#,'(0' (; ;(1#'7,#-,./*7'(1'
.' $%""-6.,*/3#';(-"(1'0(.'";+,*:)"12' (./' ,%<"%%,'*1/'(1'-),'
;,1/;,1-'(0' .' (1/'0(.''+.(#,:8-"(1'"1'%",8'(0'"-'6(-)'(0'
<)":)'),'-)"1@#':*1';(#-'58#-%7'6,'.,#"#-,/' (' (1,';(.,'#"1G
:,.,%7'6%*;,#-),'"1:(..,:-1,##'(0' (./' ,%<m%,3#':(1/8:-'68-'1('
(1,':*1'6,';(.,'*/<,.#,'-('*17'08.-),.';,*#8.,#'6,"12'-*@,1'
2"1#-')";' %%' -)*-"#'1,:,##*.7'0(.',>*;+%,'-('08-8."-7')*#'
6,,1'/(1,'*1/'*17-)"12';(.,'"#'*'=*1-(1'+81"#)"12'(0'*'0*%%,1'
;*1'=)":)'"#'1(-'-),'8#8*%':(1/8:-'(0'*1' 12%"#);*1'=)('1,<,.'
#-."@,#')"#',1,;7'=),1'*-'."#0,,-

L

/-<'&,#* ,2*+'7,'8/$-6,'0/0'7*6'5/**8.'8.-,,-2'7.<
1/-,'7.+'/+8,'?*#,+'/00,+8,'/'7,'*+?2'#6-7/.88/-<*+?=0'
1.+*0,6,<'3$'* ,'6=15.7='0/-'7*12'047,+'*+0/-1,<'/0'
7*6'.--.*?+1,+'3='7,' /$6,'/0'(/11/+6' '6'7.'
.'SL'7,'8.1='*+@$*-,<'f ' '4/+<,-'7/4'7,'6,5'.0,-'
' -+?'1='7/-6,LA'),-='<*00,-,+2'7/4,#,-2'7.<'3,,+'
7,'0,,*+?6'/0' *' <$-*+?' 7,'5-/-.8,<'.+<'$+8,-.*+'
5-/8,,<*+?6'.?.*+6'7*6'0-*,+<'.+<'8/ ,.?$,' /'/+='
4.6' /-<'E&,#* ,06'0*15,.871,+'*M,='/'3-,.M'0$5'7*6'
<1*+*6-.*/+2'7$'7,'.+<' *'7.<'0/$?7' /?,7,-'//'
/0,+'*+'7,'6.1,'-.+M6'.?.*+6'7,'6.1,'$+65.-*+?'0/,62'
.+<'7.<'3,,+'//'/+?'.+<'//'*+*1.,='.66/8*.,<'.6'
3//+'8/15.+*/+6'.+<'5,-6/+.'0-*,+<62'+/'/'-,+<,-'7,'
0.,'/0'7.'0-*,+<'.+<'8/ ,.?$,'.'+<. ,-'/0'<,,5'5,-6/+.'
.6'4,'.6'5/**8.'*+ ,-,6'/' * ' &/-,/#,-2'*15.*-,<

Q' *.%' -*1)(+,3#' "0,'(0' "--'<(%'"<' ++,1/">'+'>><"
$' 6"/'<(%'"<' ++,1/">'+'>><"
' 8:@%*1/' (..,#+(1/,1:,'<(%'"<'+' !!'

7,. 72 .+< 7,' /*6 .+< 7.-.66 /0 /00*8,2 7.< 3,?$+ /'
5-/<$8,' 7,*-'3.+,0$' ,00,8' $5/+' 7,'+,-#,62 /0 7,'?-`i'
6 . ,61.+2 .+< /' -,+<,-' 7*1' 1$87 ,66 8.5.3 ,2 7.+'
7,'7.<0/-1,-='3,,+2 506$55/-*+?'.'7,.#='8. .1*='*M,'
7,'5-,6,+' : '.+'*+6 .+8,' /0 7*6 5.*+0$' . ,-. */+2 7*6
0-*,+< F*3,-0/-8,' 1,+*/+6 7,' <,,5 *15-,66*/+' 1.<,'
$5/+' 7*1' 3=' * 6' //M .+< 1.++,-2 47,+2 /+' 8. *+?'
$5/+' 7*1' *+' /4+*+?' ' -,,2 7,' 6.4' 7*6 0-*,+<06 ,=,'
? .+8,'0/-' 7,'0*-6' *1,'/#,-' 7,' ,+ 7'-,5/-' /0 7,'(/10'
1*66*/+,-6 /0 .#.' +@$*-=2 8/+ .*+*+?' 7,'087.-?,6 /0
8/--$5*/+' .?.*+6' /-< &,#* ,' R' 67.'+,#,-'0/-?,2L'
4-* ,6 F*3,-0/-8,2 ' 7,' 4.=*+' 47*87 7,' 6,*>,<*2 .+<
7/4',.?,-='7,' //M,<*+ /' 7,' ,.#,62 4*7/$' 4.*+?'
,#,+' /' 8$' 7,1' /5,+L' 7/6,2 //2 47/' 7.55,+,<' /'
+/ ,' 7,' ,N5-,66*/+' /0 7*6 8/$+ ,+.+8,'*+' 7,' /$6,' /0
(/11/+62 .' 7,' 1/1,+' 47,+' 7, 8.6*+?' #/ ,' /0 7,'
'5,.M,-' 8.--*,<' 7,' <.=' .?.*+6' /-< &,#* ,2 4,-,'
,@$. =6-$8M' 4*7' 7,'*+ ,+6*='/0 0,,*+?' 47*87 7,' 3,G
-.=,<' ' 7.#,' ,#,-' 7/$?7 2L' 4-* ,6' /-<' *>7.--*620'
' 7.' .+' .*<*+?' 8.$6,' /0 * 06 <,. 72 8,- .*+ =/+,' 7.'
,+<,<' /'67/- ,+'7*6 ,N*6 ,+8,2 4.6 7,'-,6$' /0 7,'5-/G
8,,<*+?6 .?.*+6'7*6 /<0-*,+<.+< 8/ ,.?$,' /-< &,G
#* ,' '6.' 4,<?,<8/6,' /' * '7*16,0 7,' +*?7'4,'
4,-,' ,0' 9K /' 9K2 .+< 7,''5,.M,-2 33/2 .0 ,-' //M*+?'
.6 47* ,' .6 .' 67,,2 .+<5.$6*+?' 0/-' ,+'1*+$,62 ?.#,'
7,'8.6*+?'#/ ,' '$6' * '*11,<*. ,='5$'/+' 7,'
* ,' 8/8M,<7.' 7.' 7,' 4.6*+' 7,'7.3*' /0 4,.-*+?'
47,+' <-,66,<0/-' 7,' ,#,+*+?2 .+<B.11,<*' <,,5=
/#,-' 7*6 0/-,7,.<l' .+< ' ' ' ' !Z
' ' ' ! -d/ .6 =2 +/' ,66 5.*+0$' /'
4*+,66 4.6 7*6 .?* .*/+' 47,+2 /+' 7,' K7 /0 &.=2 /+'
&-' F7*3-,.<06 1/*/+' 0/-' .+' <<-,66 /' 7,' *+?' /

-,1/#,' 7,' +.1,' /0' /-< &,#* ,' 0-/1' 7,' *6' /0'07*6 &.B,6 =06 -*#=' (/$+8* /-6f' 7,' ?-,.' &*+*6 ,-' -/6,' 0-/1' 7*6' 6,.' *$' 7,' /$6,' /0' (/11/+62' .+<2' .+ *8*5. *+?' 7,' 7/6*,' *+ ,+*/+6' /0' 7,' /$6,2' *+ *1. ,<' 7.' 7,' /3B,8' /0' 7,' 7/+/$-.3,' ?,+ ,1.+' 7.<' .-,.<=' 3,,+' .88/1G 5*67,<2' *+.61$87' .6 7,' 7.<0, ' *' 7*6' <$ =' /'-,8/11,+<' /'7*6' &.B,6 =' 7,' ,-.6$-,' /0' 7,' +.1,' /0' 7,' .,' *-6' /-</0' 7,' <1*-. =' 0-/1' 7,' *6' /0' -*#=' (/$+8* /-6 ,' .<<,<2' 7/4,#,-2' 4* 7' 1$87' ,1/*/+Y.+<' 7,' <*<7$' ,87/' 7,' ?,+,-/$6' 6,+*1,+6' /0' 7,' *+?Y ' 8/+0,662' .+<' ' .1'+/' .67.1,<' /'8/+0,66*2' 7.' 47. ,#,-' 1.=' 3,' 1=' <,0,-,+8,' /' 7,' /$6,' /0' (/11/+62' .+<' 7/4,#,-' .+N*/$6' ' 1.=' 7,' /' .88,<,' /' 7,*-' 4*67,62' ' 8,-.*+ =' 0, E.' <,,5' .+<' 3* ,-' 7 ' *+' 3,*+?' 8/15, ,<' /'3,' 7,' *+6 -$1,+' /0' -,+<,-*+?' 6*H' 1/-,' 6,#,-,' 7,' 5$+*671,+' /0' 7,' +/3,' /-<L' ' 4.6' -, . ,<' /' 7,' . ,' /-<' &.G 8.$.=' 3=' 6,#,-.' 5,-6/+6' 47/' 4,-,' 5-,6,+' /+' 7*6' /88.G 6*/+2' 7.' .' 7*6' 1/1,+' * ' 8/$<' 4*7' 7,' ?-,. ,6' <* 8$ =' 6$55-,66' 7,' 5/*?+.+' ,1/*/+' 3=' 47*87' 7,' 4.6' /55-,66,<' ' 6' 7,' $,-,<' 7,' 4/-<7 ' 7*6' *5' @$*G #,-,<2' 7*6' #/*8,' 67//M2' 7,' 5.$6,<2' .+<' 7*6' 7,.-,-6' 7/$?7' 7.' 7,' 4.6' .3/$' /'3$-6' *+ /' ,.-6' ,' 6$55-,66,<' 7*6' ,1/*/+2' 7/4,#,-2' .+<' 5-@8,,<,<' 4*7' 7*6' 6.' 1.B,6 *8' 6,005/66,66*/+L

+' 7,' 1,.+' *1,2' .' 3/4' /0' .' <*00,-,+' .+<' /0' .' 1/-,' <*6 -,66*+?' 87.-.8 ,-' 4.6' .4.**+?' 7,' *+?' '/' . ,' .6' 7,' 1*<<,' /0' 5-*' 7,' 1*?7' 7.#,' 3,,+' 6,,+Y.55.-,+ =' *+' ,N8, ,+' 7,. 7' .+<' 65*-* 6Y5-/8,,<*+?' /+' 7/-6,3.8M' /' 7,' 1,,' /0' 7,' -/=.' 6 .?7/$+<6f' =,2' 3,0/-,' 7,' 8/1G 1,+8,1,+' /0'A$ =' 7,' 6,+ ,+8,' /0'37+<+,66' 4.6' #*- $. =' 5.66,<' $5/+' 7*12' *' 3,*+?' 0/$+<+,8,66.-=' /'3-,.M' /' 7*1' 7.' .' 8. .-.8' 7.<0/-1,<' /#,-' /+,' /0' 7*6' ,=,62' .+<' 7.' .' 6,8/+<8. .-.8' 4.6' *+' 5-/8,66' /0'0/-1*+?' /#,-' 7,' /7,-

5 /+,' 4*/6,'7.3*6 4,-,' 6/ .8*#,' .6 4,-,' 7/6,' /0 ,/-?,'I7,'' 7*-<2 6$87 .+' .++/$+8,1,+' 1$6'7.#,' /88.G 6*/+,<' 1.+=' .' 3* ,-05.+?I' .+<' =,2 .6 /-<' (/87,6,-' *+0/-16 $62 .+<' .6 4,'67. ' 0*+<' 6$36 .+*. ,<' 3=' 7,' 0/0 ' /4*+?' , ,-62 7,' 3/-,' 7,' 5.*+0$' *+ , *?,+8,' 4*7' 7,' 1/6'BX,-0,8' 8/15/6$-,' .+<' -, *?*/$6 0/-*$<, Œ

'03%' 'O % '* ' ; /

?? . ' ' % /' . ! " ' ' W1 / 'DA%/'0 39' '9; W

C '*;' -)"# .1(;,8-' 0*<(8.,/' ="-)' 7(8.' (./#)"5"3# %,--,.' *1/'%(#,' 1('-";,' "1'.,-8.1"12' 7(8';*17'-)*1@# 0(.' 7(8.' (6%"2"12' *--,1-"(1F'-(';7'.,:(;;,1/*-"(1' "1' *++("1-"12' "9' (=/,#=,%%' *' (;;"##"(1,.'(0' *1@.8+-#

KI C"' *;' 08%%7' +,.#8*/,/'-)*-' 7(".' (./#)"+' +*.-":"+*-,#' "1' (8.' B*00%":-"(1' *-' -),'),*<7' :*%*;"-7' ="-)' =)":)'9)"# *5,#-7' "#' <"F-,/ S '1,,/'1(-' ' *;'#8.,' ;,1-"(1' -('7(8.' (./#)"+' -),' 0". ;1,##'(0' ;"1/F' ;,,@1,##' *1/' .,#"21*-"(1' ="-)' =)":)'),' 6,*.#' "-' (8.' (./#)"+' *1/' @1(=')"#' *5,#-7' =,%%? 68-' ' *;' :,.-*"1')"#' =(.#-' B,1,;7';8#-' +"-7' *1/' */;".,')";' 8+(1' -),' +.,#,1-' ;(#-' -.7"12' (::*#"(1

C' ,%",<,' ;',<,.' ;7'/,*.' (V9/

C (;9#;(#-'#"1:,.,%7

00)/1' /-< (/87,6,-0 *.-*,6 4,' ? ,.+' 6/1,'0$-7,-' S0* ,-,6*+?e5.-*8$ E-6 -,65,8*+?' 7,' 1, .+87/ =' 5-/?-,66 /0 7,' *+?06 *E00*8*/7' ' '*-' A/6,57' .+M62L' 4-* ,6 7,' '5,.M,-2/+' 7,' _ 7'/0A$ =2 '6.4' 7,' *+?' /0<.=' .' ,4' ' 8. .-.8' *6 8/15, , =' 0/-1,<' *+' /+,' ,=,2 /0 47*87 7,' 7.6 /6' 7,' $6,' 0/-' 6/1,' 4,,M6 5.6' ,' 7.6 +/' <*-,8' #*6*/+' 4*7' 7,' / 7,-' ,=,2 3$' 8.+' 6,,' </4+4.-<6 /' <*6G *+?$*67 47.' 7,' 4. M6 $5/+' ,' M+/46 5,-6/+6 .' 7,' <*6 .+8,' /0 7-,,' /-' 0/$-' =.-<6' ,' 7.6 +/' 3,,+' .3,' /' -,.<' .' 4/-<0/-'6/1,' *1,2 3$' 8.+'6*?+' .6 6.' 4*7' ?-,.' 8,.-+,66 .+<6,.<*+,66 LT

7,' *+?2 5-,#*/$6 =' /' 7*6 ,=,6*?7' 7.#*+?' 3,8/1,

I' (./' (%:):*-,.3# "*.",#'<(%'""'+' U' -' %/(1' ' ."2"1*%

"' (./' (%:),#-,.3# "*.",#'. '""'+' U

4/-6,2 7.< 5-/5/6,< 1 .M*+?' .' 6$1 1 ,-' /$-'*+' 7,' 1*<< ,' 8/$+ *,62 .+ *8*5. *+?04* 7'5,8$ *.-'?-. *0*8. */+'.'#*6*' /'7*6' / < 0-*,+< *67/5' $-<2 . ' .- ,7$-B' (.6 ,' 7*6' 5-/G B,8 2 7/4,#,-2 4.6' +/4' 5-,#,+ ,<I2 .+< .88/-<*+? kE2 /+' 7,' W 7' /0' A$ =2 /-< .4M,63$*=2 3=' 7,' *+?6' <,6*-,2' .<<-,66,<.' , ,-' /' 7,' *67/52'*+' 47*87' 7,'8/1 1$+*8. ,< 7*6' &.B,6 =06' <,,5' -,?-, L'. ' 3,*+?' 8/15, ,< /'5-/8,,<E' /' F ,=1/$ 7' <*-,8 ' ' .1'6$-,2L' 7,' .<<62 =/$-' /-<0' 67*5' 4* ' 7.#,' 5.- *8$.-' 6. *60.8 */+' *+' 7,.-*+?' 7. ' 7,' *+?' 7.6' 3/-+,' 7*6' ' /4* 7' 47*87' * ' 7.6' 5 ,.6,< -/#*<,+8,' /' .00 *8'7*12 4* 7' . ' 7,'0/- * $<,' .+< -,6*?+.0' */+' 47*87' =/$ 6/' 4, ' M+/4' 3, /+?6' /' 7*6' 87.-.8 ,-'u 7. ' 7*6' 65*-* 6' .-,' 87,,-0$ 2 .+< 7. ' 7*6' ?,+,-. ' 7,. ' 7.E' *+' +/' -,65,8' 3,,+' *15.*-,< F ,' 1$6' . ' //M'0/-0' 4.-< 4* 7' 7,' ?-,. ,6' .+N*, =' /' 7,' 5-/?-,66' /0' *7,' 8/15 .*+ ' 7,' 1,<*8. ' 5,-6/+6' 47/ . ,+< 7,' *+?' .55,.-' /' 3,' 8/+0*<,+' /0' 7,' 6$88,66' /0' 7,' /5,-. */+2 7/$?7' 7,=' 6,,1' /' 7*+M' * ' 4* ' 3,' 6/1,' *1,' 3,0/-,' * ' 4/$ < 3,' 5-$<,+ /'. ,15' * L ' E ' 8/$ < 68.-8, =' 7.#,' 3,,+' 4* 7' .+=' / 7,-' /3B,8' 7.+' 7. ' /0' .0*3-<*+?' ?-. *0*8. */+' /' 7,' #,+,-.3 ,' -, . ,2 7. ' 7,' *+?'2 0*#,' <.=6' .0 ,-4.-<62 //M' $5' 7*6' 5,+2 .+< 4-/ ,' 7*16, 0' /' 7*1' .6' 0/ /46' PP

' : ' ' ' + &' '

'@ &' /' % 2 0' B A # *2 9; /

' 7,' *+?' 3,*+?' 5-,#,+ ,< 3=' .' 8/15 .*+' *+' 3*6' ,=,6 0-/1' 7,' ?-,. ' 5 ,.6$-,' /0' #*6* *+?' 7,' *67/5' /0' F /-8,6 ,-2 /+' 47*87' 7,' 7.< 5 .8,< 7,' ?*0,. ,6' 6. *60.8 */+2 7/$?7' /-< /$?73/-/$?7' ' 7.6' 4-* ,+' /' ,N5 .*+' 7,' 8.$6,' /0' 7*6' <*6.55/*+ 1,+2 =, ' 7*6' &.B,6 =' 7*+M6' 7. ' .' 68-.4' 0-/1' 7*16, 0' 1.=' 3,' 6. *60.8 /-=' /' 7,' ?//< *67/52 47,+' 8/+ .*+*+?' .' 5-/1*6,' 7.2 67/$ < 7,' 1*?7 =' 5,-1*' 7,' ,#*' /' 3,' -,1/#,<2 7,'#*6*' 4* ' 3,' 5,-0/-1,< +,N' 6$11,-

' 7,' *+?' 8.++/' 8/+8 $<,' 4* 7/$' ,N5-,66*+?' 7*6' 7/5,6' 7,+

[' ,1-%,73# "#:,%%*17' <(%' >><"' +' L ' -' H8,.7' (./' *=@,#68.7' f
$ '

-(0"1/)"# ,>:,%%,1-0.",1/ "1 *#2((/),*%-) *#),)*#1(=.,F(1 -(-)"1@"# -),:*#, "# *5,#-79)*#:(%%,:-,/#(;,6((@#0(.-),
%"6.*.7*- *.-%,68.7 *#-%,*1/ ="%% (./,.B-),;-(6,#,1--(
E(.:,#-,"9

!) -

C ((1 L 0 @ /K /0<
< ? (3 9 4

+ ++ /4.-< 8*-8$16 .+8,2 4 **8 * . 7*6 *1,/88.0E
6*/+,< ?-,. <*6 -,66 / 7, *+?2 D4.6 7,6,8,66*/+ /0
/-< '*<1/$7 0-/1 7,&*+*6 -=2 . 6,5 47*87 8/$<
68.-8,=0.* /,+ .* $5/+ 7, 0/#,-+1,+ . 1/6 *+6$-G
1/$+ .3,<*B '8$ *,6 7, +,4 "*68/$+2 3= +. $-,
6,+6**#, .+< 5$+8**/$62 4.6 $+.3,2 4*7 . 7*6 ?//<
6,+6, .+< 6,-*+?@$. **,62 / 0/-?, 7. 7,7.< /+8,
3,,+ *-6 &*+*6,- /0 7, (-/4+ .+< 8/+6,@$,+ =
7, 4.6 *+8*+,< / ,N.8 . <,0,-,+8,2 .+< / 8.*1 .
-*?7 /0*+ ,-0,-,+8,*+ 7, .<1*+*6 -. */+ /05$3*8 .00.**62
/ 47*87 7,7.$?7 =+. $-,/0 * 4.6 #,-= * ,<*6G
5/6,< / 6$31* -,.<=2,#,+ 6/6//+.0,- 7,*- -,8/+G
8**. */+ .6 7,1/+7 /0 5-*2 .+ /5,+ -$5 $-,7.<
#,-= +,.- = .M,+ 5.8, 3, 4,,+ 7,1 * 2 .6 4,
7.#,6,,+2 7.< /3.*+,< 7, *+?06 8/+6,+ / '*- (7.- ,6
&*<< , /+ 3,*+?5.8,< . 7,7,.< /0 7, /.-< /0 <G
1*-. =I 47,-,.6 /-< '*<1/$7 4.6 .+N*/$6 7. 7,
.55/*+ 1,+ 67/$<7, 8/+0,--,<2,* 7,- $5/+ 7, .- /0
$8M*+?7.167*-,2 /+, /0 7,0',8-, .-*,6 /0 ' .,2 /-
,6,$5/+ 6/1, / 7,- 5,-6/+ . 5-,6,+ *+ /00*8,2 *+ /-<,-
/ 1.M,-//1 *+ 7, /#,-+1,+ 0/- /+, /- 1/-, /0 7*6
/4+ 0.1* =8/++,N*/+6 *6.55/*+ ,< *+ /3.*+*+?7*6
8/+8,66*/+ 0-/1 * 2 7*6 .++/=.+8, .55,.-6 / 7.#, 3,,+
#,-= ?-,. <,5 /-,2L 7, 4-* ,6 / 7*1 /+ 7, +< /0
5-*2 7, 87/*8, =/$ 7.#, 1.<, 4* 2 0,.-2 7.#,
7, ,00,8 /0 4,.M,+*+?.+< /4,-*+?7, /#,-+1,+ .
. *1, 47,+ * *6 5,8$ *.- =*15/- .+ / ?*#, * .<<* */+.

6 -,+? 7 .+< /‘ -.*6,‘ * 6‘ 87.-.8 ,-‘ /‘ 1 ,‘* ‘ *6‘ <,8*6*#,‘
5-//0‘ 7 . ‘ 1=‘ 8/+ *+$.+8,‘ *+‘ /00*8,‘ 8/$ <‘ +,* 7,-‘ 7,‘ $6,0$‘
/‘ 7,‘ 5$3 *8‘ +/-‘ 7/+/$-.3 ,‘ /‘ 1=6, 0 L‘ $ ‘ 1$6‘ 5-,0‘D
5.-,‘ 0/-‘ 7,‘4H ‘ . ‘ -/?1/-,‘ 7,‘ 4-* ,6‘ /‘ 7*6‘ 3-/ 7,-‘ /+‘
7,‘ W 7‘ ‘ &=‘ -,0 ,8 */+6‘ 47,+‘ 7,-,‘ 4* ‘ 3,‘ $+8/ 1G
0/- .3 ,‘ 7,‘ ?.* *,6‘ 4* ‘ 6//+‘ 7,‘ /#,-‘ .+< /< M+/ 46‘
47. ‘ 4* ‘ 0/ /4 LT

+8,‘ 1/-,‘ 7/4,#,-‘ 7,‘ 4/‘ &*+*6 ,-6‘ 3,8.1,‘ 0-*,+<6‘ I
.+< 0-*,+<6 7,=‘ 1*?7 ‘ 5/66*3 =‘ 7.#,‘ -,1.*+,<‘ 3$ ‘ 0/-‘ 7,‘
$+5.-</+.3 ,‘ /00,+8,‘ ?*#,+‘ /‘ * ‘ 3=‘ /-< ‘*<1/$ 706‘
-, . *#,6‘ #/ *+?‘ *+‘ .- *. 1,+‘ 0/-‘ 7,‘ *15,.871,+‘ .+<
5-/6,8$ */+‘ /0‘ /-< &, #* ,‘ ‘ 8.-*8. $-,‘ 3=‘ * -.=‘
5$3 *67,< . ‘ 7,‘ *1,‘ -,5-,6,+ 6‘ /-< &, #* ,‘ .6‘ 7,‘
D4/$+<,< */+L‘ *+‘ 7,‘ 0.3 ,‘ =*+?‘ 7, 5 ,66‘ /+‘ 7,‘
?-/$+<‘ 4* 7‘ 6/1,‘ B.8M.66,6‘ /+‘ 7,‘ 5/*+ ‘ /0‘ . .8M*+?‘ 7*1 ‘
" ,-=‘ 7*?7 =‘ *+<,3 ,< /‘ 7,‘ */+‘ -/ 7,-‘ * ,=2L‘ ,NG
8 .*16‘ /+,‘ B.8M.66‘ ‘ 7,+2L‘ 6.=6‘ .+/ 7,-‘ ‘M*8M‘ 7*1‘
.?.*+‘ -/ 7,-‘ -.??, L‘ '$87‘ .+‘ ‘.55,.-.+8,‘ /0‘ 7/6G
* * =‘ .+< <,0*.+8,2L‘ /+‘ 7,‘ 5.-‘ /0‘ /-< '*<1/$ 706 0-*,+<6‘
1$6‘ .6‘ * ‘ 5 .*+ =‘ *+ *1. ,< /‘ 7,*-‘ ,.<,-‘ 5-,#,+‘
7*1‘ 0/-‘ 7,‘ 5-,6,+‘ ‘5 .8*+?‘ 7, 1‘ *+‘ 7*?7‘ 6* $. */+6‘ ILA‘
.+< .88/-<*+? =‘ 7,‘ . ,-‘ 7$6‘ $+. 13*?$/$6 =‘ .55-*6,<
/0‘ **6‘ 4 .+‘ /0‘ *+0 $,+8,‘ +/‘ /+ =‘ 8. 1,‘ /‘ 7,‘ <, ,-1*+.G
*/+‘ /0‘ 6,5.-. *+?‘ 7*16, 0‘0-/1‘ 7,‘ <1*+*6 -. */+‘ 3$ ‘ .‘
0,4‘ <.=6‘ .0 ,-4 .-<6‘ ,+ ,-,< 7,‘ -/=. ‘ 8 /6, ‘ .0 ,-‘ 7,‘
+?‘ 7.< 7, < .‘ - E‘ (/$+8* ‘ .+< 0/-1. =‘ -,6*?+,<‘ A$=‘U‘
7*6‘ .55/*+ 1,+‘ .6‘ * 6‘ -,6*<,+ ‘ 7,‘ *+?‘ 7/$?7‘
1$87‘ 7$- ‘ *0‘ +/‘ /00,+<,< . ‘ 7*6‘ 8/+<$8‘ *+‘ 7$6‘ -*6M*+?‘
7,‘ ,N*6 ,+8,‘ /0‘ 7,‘ /#,-+1,+ ‘ +,#,- 7, ,66‘ -,. ,< 7*1‘
4* 7‘ .‘ M*+<+,66‘ [‘ /‘ =7*87‘ 7,‘ ,N0&*+*6 ,-‘ 1.<,‘ .‘ 6/1,G
47. ‘ $+?-.8*/$6‘ -, $-+‘ .55,+*+?‘ /+‘ 7*6‘ 4.=‘ 7/1,

I‘ ,%%,=B# "0(‘ (0‘ (.-% "/ ; (8-%"‘ <("‘ ""‘ ‘ +‘ !L ‘ -‘ 6"/ ‘ +‘ !
o‘ ,%%(=3# "0(‘ (0‘ (./‘ "/ ; (8-) ‘ <("‘ ""‘ ++‘ ! ‘ ! ‘ -‘ =*# 1,:,##*.7‘ #*"/‘
"--‘ -)*-‘ -%","‘:(1/8:-‘ #)(8%/‘ 6,‘C‘ / % ‘ *1‘,>+.,##"(1‘=)":)‘#,, ; #‘ -(‘)*<,‘2"<,1‘
2.,*-(0%0,1:,‘-(‘ (./‘ "/ ; (8-% 4#(‘+‘ ! ‘? * ‘ 4 M‘ 0 ‘<("‘ ""‘ +‘ L
Z‘ 8:@%*1/‘ (..,#+(1/,1:('<("‘"<‘ +‘ ! ? (./‘ (%:),#-,.3# "*.",#‘ <("‘ ""‘ +‘ L
‘ ‘

0-/1‘ 7,‘ . .8,‘ /‘ ,*B8/$+ ,-‘ '7,-*<.+‘ 47/‘0.6‘ 7,‘ 5,-G
6/+.‘0-*,+<‘ /0‘ 7,‘ -*+8,‘ /0‘ F. ,6‘ .+<‘ .‘#*/ ,+‘ 55/6*G
*/+‘ ,.<,-‘ 4.6‘ 7,‘ .6‘ 5,-6/+‘ /‘ 47/1‘ .+=‘*15/- .+‘
87.+?,‘ *+‘ 7,‘ (.3*+,‘ /$?7‘ /‘ 7.#,‘ 3,,+‘ 8/11$+*G
8. ,<‘ 7,‘ +/‘ /+=‘*15.- ,<‘ /‘ 7*1‘ 7,‘ 0.8‘ /0‘ 7*6‘
-,6*?+. */+‘ 3$‘*+ *1. ,<‘ 6/1,47.‘5/15/$6=‘5,-7.56‘
7.‘ 7,‘ 4.6‘ .‘e*3,-=‘ /‘ <*#$?,‘ *‘ /‘ 7,‘ -*+8,‘
H+0/- $+. , =‘ 0/-‘ 7*1‘ 7*6‘ /00*8*/$6+,66‘ 7.<‘ 7,‘ </$3 ,‘
,00,8‘ /0‘ /88.6*/+*+?‘ ?-,.‘ .++/=.+8,‘ /‘ 7,‘ *+?‘ .+<‘
/0‘ , *8* *+?‘ 0/-‘ 7*1‘ .+= 7*+?‘ 7$‘ 7.+M6‘ 0-/1‘ 7,‘ 7,*-‘
/‘ 7,‘ 7-/+,‘ ‘ F7. 2L‘ 6.*<‘ 7,‘ -*+8,‘ ‘</,6‘ 7,
<00000<‘ *+6*?+*0*8.+‘ 5$55=‘ 1,.+‘ 3=‘ -/$3*+?‘ 1,SC
6‘ /‘ /-<‘ '*<1/$ 72L‘ 4-* ,6‘ /-<‘ ,+ ,=‘ 7,‘*6‘ /‘1.M,‘
$6,‘ /0‘.‘#$?.-‘ 57-.6,‘ @$* ,‘ P</+,‘ $52‘.+<‘<,6,-#,<=‘0/-‘
7,-,‘*6‘ 1$87‘ /0‘0/ =‘ +/‘ /‘ ?*#,‘*‘.‘6 -/+?,-‘ .55, .*/+‘
*+‘ 7*6‘ 8/11$+*8. */+‘ /‘ '7,-*<.+‘ .+<‘ *--,#,-,+8,‘ /‘ 7,‘
?//<‘ *+?‘*+‘ 7,‘ 3$6*+,66 LT‘ 7,‘ /8 /-2L‘ 4-* ,6‘ /N‘
/‘ /-<‘ / .+<‘ /+‘ 7,‘ K7‘ /0‘A$ =‘ ‘7.6‘ 87/6,+‘.‘7.<‘
*1,‘0/-‘7*6‘ -,6*?+. */+‘ .6‘ * ‘8.+‘8,- .*+ =‘?/‘ /+‘ 4* 7G
/$‘ 7*1‘ 4 ** ,‘‘ .- *.1,+‘ *6‘ +/‘ 6* *+?‘ .+<‘ 3=‘ 7,6,‘
1,.+6‘ ?.*+6‘ *1,‘0/-‘ .‘ 6/- 6‘ /0‘ +,?/ *. */+‘ 7.‘ .‘
7,6,‘ +,?/ *. */+6‘ 4* ‘0.*‘ ‘.1‘ 6$-,I‘ 3$‘ 7,‘ /8 /-‘
8/$<‘ +/‘ 3,‘ 6/‘ .+<‘ 7,-,0/-,‘ 7*6‘ 0/ =‘ *+‘ 7*6‘ .6‘ **-‘
,#,-= 7*+?‘ , 6,‘ *6‘ 3,=/+<‘ .‘ /-<*+.-=‘8/+8,5*/+ LT‘ 0‘
67/$<‘ 3,‘ 1,+*/+,<‘ *+‘ B$6*8,‘ /‘ 7,‘ *+?‘ 7.‘ /+‘
7,‘/88.6*/+‘ /0‘ 7*6‘ 6,8/+<‘ -$5 $-,‘ .M*+?‘ 5.8,‘ 3, 4,,+‘
7*6‘ 4/‘0.#/$-* ,‘ &*+*6 ,-6‘ 7,‘ <,8*+,<‘ +/ 4* 76 .+<*+?‘
7,‘ <,,5‘ *15/- .+8,‘ 47*87‘ *‘ 4.6‘ /‘ 7*1‘ /‘ M,,5‘ 7,

[‘ 8:@%*1/‘ (..,#+(1/,1:,‘<(%‘"<‘+‘ U
-‘ 8:@%*1/‘ (..,#+(1/,1:,‘<(%‘"<‘+‘ U!‘ -‘#)(8%/‘6,‘ ; ,1-"(1,/‘-)*-‘-)"# <.*#
1(-‘-),‘0".#-‘ (::*#"(1‘ (0‘ (./‘ "/1*(8-)3#)1<"."2‘2"<,1‘#"; "%*.‘ (00,1:,‘ -(‘)"# (<,9‘
.,"21‘ -‘-),‘-" ; ,‘-)*--%",‘1,2(-"*-"(1‘0(.‘ "--3#.,-8.1‘-(‘+(=,.3=*#6,"12‘:*..",/‘(1‘
"1‘ U4F);)"; #,%06,"12‘-),‘ "123#:(10"/,1-"*% "1"#-,.‘*-‘-),‘-"; , 4),‘=*#=,*@‘
1/‘"%9/<"#,/‘,1(82)‘-(‘-,%‘)"#0.",1/#-)*-‘C‘),‘@.",-‘)"# *5,#-7‘/"/‘1(-‘="#)‘ .‘
"--‘-(‘:(;,‘"1D (‘/"#+%,*#,/‘=*#-),‘ "12‘*-‘-),‘-"; ,‘-)*-‘*#),‘*0-,.=*./#-(%/‘
(#,‘),‘)*/‘; */,‘8+‘)"# ;"1/‘"1‘-),‘,<,1-‘(0‘-),‘1,2(-"*-"(1‘="-)‘ "--‘6.,*@"12‘(00‘
*-‘ *%% ,<,1-# 1(-‘-(‘ .,-*"1‘ //"12-(1‘*-‘-),‘),*/‘ (0‘-".,‘ (<,1.;,1-4 "(#:3#
0 ‘<(%‘""‘++‘%(‘ L‘ ‘ *.% 8#f, 3# , ;(."%#(0‘ (>‘<(%‘"<‘++‘ ‘

5-,6,+ <1*+*6 -. */+*+5/4,-/ 7-/4 7*6 4,*?7*+ 5 7, 68. , /+ ,* 7,-6*<,) /$.+< &- * 2L 4.6 7*6 6*15 ,-,5 = / /-< '*<1/$ 72 47,+ 7, . ,-. ,15 ,< / 1.M, 7*1 .-,0,-,, *+ 7, 3$6*+,662 /$?7 / . M /#,-1. ,-6 /?, 7,-/ .+< +/ 7.#, .+=?/03, 4,,+6 L 7, 0.-,4, *+ ,-#*,4 3, 4,,+ 7, *+?. .+< /-< '*<1/$ 7 //M 5.8, . F*+<6/-/ /+ '$* .=/ A$ = 7, : 7 + 7, 1,.+ *1,/ /-< '*<1/$ 706 8/+<$8 2 *+ +/ /+ = .3.+</+*+? 7, /#,-+1,+ . . *1, /0 +. */+. 5,-* 2 3$ *+ #/ $+ ,,-*+? / 1.M, .8/+0*<,+ *. 8/1 1$+*8. */+ / 7, *+?06 5/ * *8. , +,1*,62 7.< #,-= +. $-. = 7.< 7, ,00,8 /0 *+8,+6*+? 7*6 &.B,6 = .?.*+6 7*1 / </$3 2 47,+ <<*+? /+ / < 7*6 0-*,+<6 7. . 7*6 *+ ,-#*,4 *+ 7, -/=. 8 /6, 2 /+ 7, : 72 7, *+?. 7.< +/ /+ = 65/M,+ / 7*1 *+ 7, 1/6 ?-.8*/$6 1.++,-2L 7$ 7.< 0X,-,15 /-* =$-?,< 7, 1.M*+? .5-/#*6*/+L 0/-7*12 7, 6. ,< +/ 1/-, 7.+ 47. 4,-,0.86 ,#,-7, ,662 7. 7, *+?+,* 7,-0, +/-,N5-,66,<6$87 8/15 , .55-/#. /0 <<*+? /+06 8/+<$8 2 .6 <<*+? /+ 4/$ < .55.-,+ = 7.#, 7.<7*6 0-*,+<6 3, *,#,2 7,-, *6 .15 , ,#*<,+8, 0/-*+G 0,--*+? F7,+7, 4,+ / 7, *+?2L 4-* ,6 /-<&. 1,6G 3$-=2 <<*+? /+ #,-= 0// *67 = /00,-,<7*6 &.B,6 = 7, M,= /0 7, (/$+8* 3/N P) /$ 1$6 +/ ?*#, * / 1,206.*< 7, *+?2 -. 7,- /00,+<,<2 P3$ / /-< .4M,63$-= C P '*-2C -,5 *,< <<*+? /+2 P . 1 +/ /+ 65,.M*+? ,-16 4* 7 /-< .4M,63$-= C P 7*6 *6 +/ 7*+? / 1,]0 6.*< 7, *+?2C .+< 4/$ <7.#, ,+<,< 7, .$<*,+8, LE 7, 5-/6= ,N0&*+*6 ,-2 7/4,#,-Y*+8.5.3 , .55.-,+ = /0 .M*+? 7, 7*+ Y5,-6,#,-,<*+0/-8*+? 7*6 8/+#,-6. */+ $5/+ 7, *+? 0/-1/-, 7.+ .+ 7/$- /+?,- ,#,- 6*+8, 7, <.=6 /0 ,/-?, -,+#* ,2 6.*< 7, *+? / &- ,/-?,)* *,-62[7.< 7, 3,,+ /-1,+ ,< 3= 6/ 0. *?$*+? .+ *+ ,-#*,4

I :%%,$# "0,'(0 (./ "/ ;(8-)'<(%'""'++' ! ' ! '? (./ (%:),#-,.3# "*.",#' <(%'""'+' ! ' 0' (./ (%:),#-,.3# "*.",#'<(%'""'+' L ' (./ *%;,#68.73# "*.",#'<(%'"<'+'! Z *-),.'(0-),'+.:#:""- *.%(0 %*.:8/(1

7-, , < .=6 .?/2 7, .<<, <2 <<*+? /+ 7.< 7/$?7 5-/5, -
/ 8/ 1 1$+*8. , / ' 7, -*<. +7, 0.8 /0 7*6 -, *-, 1, + 2 .+<
6$-, =2 7, -, 0/-, 7, 1*?7 7.#, 65.-, <]x1 7, 0 4/--= /0
4/ 7/$-6 8/+#, -6. */+ /+ 7, 6$3B, 8 7. 00000 L
7, , N8 .*1, <2 /+ -, B/*+*+? 7*6 0.1* =2 7.< 3, , +5 .?$*+?
7*1 / <, . 7 LT ,#, - 7, , 662 0. *?$, < .+< <*65 , .6, <L
.6 7, .+? *6 <E8-*3, < .6 7.#*+? 3, , +2 7, 4.6 7.55* =
.3 , 2 /+ 1.M*+? 7*6 .55, .-.+8, /+ 7, , --.8, *+ 7,
.0 , -+//+2 / 8/+8, . 7*6 0, , *+?6 0-/1 7*6 6$3B, 8 6 F,
, .-+, <2L 4-* , 6 /-< , + , =2 7. / -< '*<1/$ 7 7.<
7.< .#, -= /+? .$<*, +8, F 7. 7.< 5.66, < 4.6 +/ , #, +
8/+B, 8 $-, <2 .+< 8, - .*+ = +/ 8/+B, 8 $-, 8/$ < 3, 0/-1, <
0-/1 7, *+?6 0.8, 2 0/- 7, 4.6 *+ #, -= ?//< .+< , #, +
65*-* 6 /-< '*<1/$ 7 <*< +/ .55, .- /+ 7, , --.8, LA
/N2 7/4, #, -2 .5BX, .-6 / 7.#, 3, , +3, , - *+0/-1, < .6
/ 7, -$, 6 . , /0 7, *+?6 0, , *+?6 . 1 / <2L
7, 4-* , 6 /+ 7, ; 72 7. 7/$?7 7, *+?7 6, , 1, <
/ 3, .- , #, -= 7*+? #, -= 8/15/6, < = . 0*-6 2 7, 7.6 6*+8,
67/4+ 1.+= 6=15 /16 /0 0 $--= .+< .?* . */+ L [+
. 7*6 3$6*+, 662L 4-* , 6 7, *+?6 4, 0*+0/-1, < +, *?7G
3/$-2 /-< , + , =2 /+ 7, 99 72 #, -= * , -, ?.-< 7.6
3, , +5.*< / 7, 5//- *+?6 0, , *+?62 47*872 . 7, 1/1, +
/0 7, 1/6 8-$, #*6* . */+ 4* 7 47*87 7$1.+ +. $-, 8.+
3, .00 *8 , <2 .H 7/6, 47/ /#, 7*1 1$6 1/-, 5.-*8$.- =
0, , , 4.6 , #*<, + = .00, 8, < .6 +*?7 2 .+< . 7,
0.1* = 4.6 /4 7, -*+8, 66 (7.- / , 3= 7, - , +<, .-G
1, + 6 7.< 4-/$?7 $5/+ 7*6 0, , *+?62 .+< 7, 65/M, /0
7, - 4* 7 1$87 , +<, -+, 66 , 7.< 6, , + 7*556 9 . 6*N

[8:@%*1/ (..,#+(1/,1:, <(% "<' +' U
] (./ *% ; ,#68.73# "*.",#' <(% "<' +' !U C), "12 :(; +%*"1, /' -)*- (./
"/ ; (8-)')*/' "1')"# %*#- *8/", 1:, ' -"., /')" ; ' 0(.' -= (') (8.#'), "12)*# -(%/' .'
"--' -)*-), ' = "%% #-*1/' (.' 0*R = "-)' .' "-- * 4 M' 0 ' <(% ""' ++'
' -' 8:@%*1/' (..,#+' <(% "<' +' !
Z *.% 8##, %%3# , ; (."*%# (0 (>' <(% "<' +' U
'), ' , ; "1, 1- (:8%"#-' *0-, .= *./# @1(=1' *# "." E*-), 1' E*%%, .' *.-' , ' ; *.., /'
!-)' ,+-, ; 6, .' ' (+) "*')*.%(--, ' *.(1, ## (=, ' "1'), .' (=1' ."2)-' /*82)-, .'
1/'), ".,## (0 / ; 8% *.% (=, ' *1/' = "/(=' (0-), (1' , 11' ##), -(1' 8.V(1'
, %/, #-' #(1' (0 ##), -(1' 0".#-' $"#:(81-' 8.V(1

/C8 /8M2 .+< .' ?,+ ,1 .+' 4 */1' *,' 7.< . , =' 8/+8 *,< /C' 3/ 7' ,=,6' . ' .+' *+ ,-#. ' /C' 7-,,' 4,,M62 .+<' 4* 7' 5,-0,8' 6$88,66' ' 4.6' 6/--=' /' 6,,' 7,' *+?' 4* 7' .' ? .66' /C' .' #,-=' +,.*C06*?7 ,< 1.+' I 0/-' 7/$?7' * ' ,+.3 ,6' 7*1' /' <*6G *+?$*67' /3B,8 62 =, ' * ' 1$6 ' 0. *?$,' 7*6' ,=,6' *,$,+.+ C' (/ /+,' .= /-2 /C' 7,' $M,' /C') /-M06' /00*8,2 *6' /' . ,+< 7*1' .6' ',8-, .-=2 /' .66*6' 7*1' *+' -,.<*+?2 U8 L' ' 7.6' . -,.<=' 3,,+' 1,+ */+,<2 /+' 7,' <*-,8' .$ 7/-* =' /C' (/ /+,2 /-' -. 7,-' '*-' ,-3,- 2 .= /-2 7.' 7*6' 4.6' 7,' 0*-6' /88.6*/+' /C' 7,' *+?' 7.#*+?' ,15 /BE,<.' -*#. ,' ',8-, .-=' BD

.55* =2 7,' 5/ * *8.' 8/++,N*/+' 3, 4,,+' <<*+? /+' .+< * ' 8 /6,<*+' .' 1/-,' 6. *60.8 /-=' 1.++,-' /' 3/ 7' /C' 7,1' 7.+' 1*?7' 7.#,' 3,,+' ,N5,8 ,<' ' .' 1,, *+?' 47*87' //M' 5 .8,' 3, 4,,+' 7,1' /+' 7,' K 7' /C' A$ =2 .' * 06' #*H.' /+' $ +,=' ,. 72 68.-8, =' 1/-,' 7.+' 6*N' 1/+ 76' 3,0/-,' 7,' <,. 7' /C' 7,' ?-,. ' &*+*6 ,-2 7,=' 5.- ,< +/' /+ =' /+' 0-*,+< =2 3$' /+' .00,8 */+. ,' ,-16' ' .6' 7,-,' 3,,+' .+= 7*+?' *+' 1=' 8/+<$8' . ' .+=' *1,2L' .6M,< /-< '*<*+/$ 72 '*+8/+6*6 ,+' 4* 7' 47.' 4.6' <$,' /' .' 0-*,+<' SL' ' ,#,-2L' 4.6' * 06' -,5 =' I . ' 7,' 6.1,' *1,2 4* 7' ,.-6' 6 .+<*+?' *+' 7*6' ,=,62 .M*+?' 7,' 3 7,*006 7.+<2 ' ' 7.#,' +/ 7*+?' /' .8M+/ E ,<?,' 0N2/ 1' =/$' 3$' 7,' 1/6' ?,+,-/$6' .+< 7/+/$-.3 ,' 8/+<$8 2' .+< ' ?-*,#,' 7.' 4,' .-,' /' 5.- LA' F 7,+2 . ' 7,' ,+< /C' ' ,5 ,17,-2 /-< '*<C' 1/$ 7' 7.55,+,< /' 3,' 3/-+,' </ 4+' 3=' 0.1* =' .00 *8 */+' .+< 3/<* =' <*6,.6,2 * ' 5.*< 7*1' .' #*6*' . ' 7*6' /<?,' *+' *87C' 1/+< .-M2 47,-,' 7,' 4/' 0-*,+<6' /+8,' 1/-,' 1,' .+<' 5.- ,<

I' 8:@%*1/' (..,#+(1/,1:,'<(%'"<'++' U U!' C'),'%8123#,7,# D' =."-,# (./' (%:),#-,.' (1' -),' -)' C' *.,' +.(:,,/"12' .,28%*.%7' -(F<*F/# -%",' 0(.;*-"(1' (0' :(;+%,-,' :*-*.*:-#' *1/' -),7' *.,' ,>+,:-,/' -(' 6(' 0"-' 0(.' -),' (+,.*-"(1' "1' *6(8-' -).,' ;(1-%"#' .' "--')*#.,:(;;,1/,/' (%(1,%' ,.6,.-' *7%(.' -),' 8@,' (0' (.@3# "%"-*.7' ,:.,-*.7' -(' 6,' -),' :(10"/,1-"*%+,.#(1',;+%(7,/' "1'.,*/"N"2' /"#+*-:),#' -(' -),' "12' *1/' =."-"12' 0(.')";' /8."12')"#6%"1/1,## * ' 4 ; M' 0 ' <(%'""' +' -' ,;*.@#(1' (' ' ' BF' (0' -),' M /"168.2)' -,< :=B 67' ":8-,1*8-9 :1(.*% ".' ' *7%(.' ' ' +' &' (1/(1' !

-' ,%%:=3# "0,' (0' (1% "/;(8-)' <(%'""' ++' ' !' *1/' 3)

+‘ M+<+,66‘ ‘ 4.6‘ <,6 *+,<‘ 7. ‘ 7,=‘67/$ <‘ +,#,-‘ 1,,‘ .?.*+

+‘ 7,‘ 9 7‘ /0‘ A$ =‘ 7,‘ (/$-‘ @$* ,<‘ F*+<6/-‘ 0/-‘ F,=1/$ 72‘ 0-/1‘ 47*87‘ 5 .8,‘ 7,‘ ,.-*,-‘ .88/$+ 6‘ /0‘ 7,‘ *+?06‘ 8/+<**/+‘ 5-/#,<‘ /‘ 3,‘ 6$00*8*,+ =‘ ? //1=‘ ‘ 7.#,‘ B$6‘ 6,,+‘ 4/‘ , ,-6‘ 0-/1‘ F,=1/$ 72L‘ 4-* ,6‘ /-<‘ ,+ ,=2‘ /+‘ 7,‘ -<‘ ‘ 7,‘ 0*-6‘ 6.=6‘ 7. ‘ /+‘ 7$-6<.=‘ 7,‘ *+?‘ 7.<‘ .‘ 8/+6*<,-.3 ,‘<,?-,,‘ /0‘*+0 .1+*. */+‘*+‘ 7*6‘ ,=,62‘ 47*87‘ 7.<‘ .‘ * ,‘ .3. ,<‘ 7,‘ 4/‘ 0/ /4*+?‘ <.=6I 7. ‘ 7/4G ,#,-2‘ 7,‘ 6 *H-/<,‘ /$2‘ 7/$?7‘ /+ =‘ .‘ 0// 05.8,2‘ .+<‘ *11,G <*. , =‘ 5-,8,<,<‘ 3=‘ .‘ 2 ((; I .+<‘ 4,+‘ /‘ 7,‘ 5 .=2‘ 47*87‘ 7* 7,- /‘ 4.6‘ +/‘ 8-/4<,<‘ /-‘ 7/ I 7. ‘ 7*556‘ 7.<‘ .-**#,<‘ /+‘ 7,‘ '$+<.=2‘ .+<‘ 7.<‘ 6.*<‘ 7. ‘ 7,‘ *+0 .11. */+‘ 1*?7‘ 5-/<$8,‘ 1$87‘ ?//<‘ /-‘ 1$87‘ ,#* I 7. ‘ 7,‘ 7.<‘ .55 *,<‘ ,,87,62‘ .+<‘ 6.*<‘ 7. ‘ 7,‘ 4/$ <‘ -,1.*+‘ 4* 7‘ 7*6‘ &.B,6 =‘ * ‘ 7,‘ *+0 .11. */+‘ 4.6‘ -,1/#,<2‘ .+<2‘ *+‘ 67/-2‘ .6‘ /+?‘ .6‘ 7*6‘ 5-,6,+8,‘ 8/$ <‘ 3,‘ /0‘ .+=‘ $6,‘ 7,‘ , ,-‘ 8/+8 $<,6‘ 3=‘ 6.=*+?2P 7,‘ *+?‘ *6‘ #,-=‘ /4I 6/‘ .-,‘ 4,‘ . C 7,‘ /7,-‘ , ,-‘ 8/+ .*+6‘ /+ =‘ 4/‘ *+,62‘ 6.=*+?‘ ,,87,6‘ 7.#,‘ 3,,+‘ .55 *,<2‘ .+<‘ 4* 7‘ 6$88,662‘ .+<‘ 7,‘ *+?‘ *6‘ ,.6*,-‘ ‘ 7*6‘ *6‘ #,-=‘ <*67,.- ,+*+?‘ 7,‘ 4,. 7,-‘ .‘ F,=1/$ 7‘ 4.6‘ <,5 /-.3 =‘ 3.<TC0

/ 4* 76 .+<*+?‘ 7,‘ 0/-,?/*+?‘ $+6. *60.8 /-=‘ .88/$+ 2‘ 7,‘ *+?‘ 7.<‘ +/‘ 3,,+‘ /+?‘ .‘ F,=1/$ 7‘ 3,0/-,‘ +/‘ /+ =‘ 7*6‘ 65*-* 62‘ 3$‘ 7*6‘ ,=,6*?7‘ .6/2‘ ?-,. =‘ *15-/#,<‘ 8G 8/-<*+? =2‘ .?.*+‘ 4,‘ 0*+<‘ 7*1‘ ,+B/=*+?‘ 7*6‘ 4.M6‘ /+‘ 7,‘ 65 .+.<,I .?.*+2‘ 4* 7‘ 7*6‘ +. $-.2‘ 87,,-0$‘ $+.0 ,8 ,<0‘ +,662‘ 8/+#,-6*+?‘ 4* 7‘ 7,‘ 8/15.+=‘ *+‘ 7,‘ 66,13 =‘ //16I‘ .?.*+2‘ 1.M*+?‘ =.87‘ ,N8$-6*/+6‘ /+‘ 7,‘ 6,.2‘ /-‘ -,#*,4*+?‘ 7,‘ -//56‘ /+‘ .+<‘ 7,‘ 3*- 7<.=‘ /0‘ 7*6‘ 3, /#,< <.$?7 ,-2‘ 7,‘ -*+8,66‘ 1,*.2‘ /+‘ 7,‘ :7‘ /0‘ $?$62‘ ,+.3 ,<‘ 7*1‘ /‘ 8/+0,-‘ 5 ,.6$-,‘ $5/+‘ /7,-6‘ 3,6*<,6‘ 7*6 0.1*=‘ .+<‘ 7*16, 0‘ +‘ 7. ‘ <.=‘ 7,‘ ,+ ,- .*+,<‘ .‘ 3-* 0

I

I‘ ,%%,=3#‘ "0,‘ (0‘ (./‘ "/;(8-)‘ <(%‘ ""‘ ++~! ‘ ! !? (./‘ *%;,#68.73#‘ "*.",#‘ <(%‘ "<‘ +‘ !U ‘ -‘ 8:@%*1/‘ (..,#+(1/,1:,‘ <(%‘ "<‘ ++‘ UU9L

*.+ ' 8/15.+=' . ' *,' 5-*+8*5. ' */ , ' . ' F ,=1/+ *B' .+<
7/$?7Z 7,' 4.6' 7*16, 0' +/ ' 5-,6,+' . ' 7,' 3.+@$, Z 7,'
-,8,*#,< .+< 4, 8/1,< 7*6' ?$,6 6' . ' .' 3. ' ?*#,+' 3=' 7,'
BQ$, ,+' *+' 7,' ,#,+*+?' F 7,+' * ' -, $-+,< 0-/1' F ,=G
1/$ 7' /' /+</+Z .3/$' 7,' 1*<< ,' /0' ',5 ,13,-Z 7,' / <
7,' '5, .M,-' /0' 7,' /$6,' /0' (/11/+6' 7. Z <$-*+?' 7,'
4,+ =' =, ,.-6' 7. ' 7,' 7.< 3, ,+' .8@$.*+ ,< 4* 7' 7,' *+?Z
7,' 7.< +,#,-' M+/4+' 7*1' *+' 6/' ' 6, ,< .+< 8/15/6,< .'
6 . ,' /0' 1*+< L

7,' +,N ' 0,4' *+,6' .-,' 5-/3.3 =' 7,' .6 ' ,#,-' .<<-,66,<
3=' 7,' *+?' /' 7*6' / <Z .+< +/4' #,+,-.3 ,' 0.#/$-* ,Z &-6'
/4,' '7,' *#,<Z 7/4,#,-Z 0/-' 6,#,-. ' =, .-6' /+?,-Z 3,G
/#,< .+< -,65,8 ,< 3=' .' .-?,' 8*-8 ,' /0' 0-*,+<6' +'
*87/ 606' P * ,-.-=' +,8</ ,6' /0' 7,' *?7 , ,+ 7' (,+ $-=00'
7,-,' *6' .+' *+ ,-,6 *+?' <,6,-*5 */+' /0' 7,-Z *+' 9;9_Z .6' ' .'
#,-=' ,N -./-<*+.-=' 4/1.+Z 3/-+' *+' 9: Z .+< 6 * ' #*+?'
*+' -.0 /+' ' *C, ,Z 47/Z 7/$?7' <, .0Z 6 * ' . M6Z -, .<6Z
4-* ,6Z .+< 5 .=6' . ' 8.-<6Z . ' +*+, =0 7-, ,Z 4* 7' . ' 7,'
65*-* ' .+< *0,' /0' .' ?*- I <-,66,6' *+' 5/4<,-,< 7.*-0Z -*5 ,'
-$00 ,6Z 0$-3, /4,<?/4+6Z .+< *6' .' 0*+,' 1/<, ' /0' 7,' 8/6G
$1,' /0' 7,' / < (/$- L' &-6Z /4,' <*,< A$+,' 7,'
7Z 9;9_

'2

$' : ' ' 'E 3 (' ; 'E $

' -%2' 3 ( )&0 00' U 2%& '0' A$*B]Z 9; W

' 7,' *+?' .M,6' $5' 7*6' 5,+' /' .8@$.*+' &-6' /4,' 7. ' 7,'
8,- .*+ =' 6,,6' 3, ,-' 7.+' 7,' <*< 6/1,' <.=6' 5.6Z .+< 3,?*+6 /'
0 . ,-' 7*16, 0' 7. ' 4* 7' *1,' 7,' 67. ' -,?.*+' 5,-0,8' 6*?7

D /) ' 558T

/' 7,' *67/5' /0' F/-8,6 ,-' . 6/' 7,' *+?' 4-* ,6' /+' 7,'
9 7' /0' 7,' 0/ /4*+?' 1/+ 7Y ' /' /+,' ,#,-' ,N5,-*,+8,<

['' (./' (%:%",#-,.3#' "*.",#' <(%' "" ' +' ' -' $(%' "> ' +' L
' *..(=3#' "0,' (0' 8"%' (=(' +' ')(' (."2"1*%' "#-),.,' #-*-,/' -(') *<,'):: 8'
M=."--,1' ,<"/,1-%7' =)"%,' <"#"(1' =*# 7,-' <,.7' "; +,.0,:- D' *1/' "1/,,/' -(' 6,' #(8.:(%7'
%,2"6%,

.' 1/-,' 6 -*M*+?' *+6 .+8,' /0 7,' 5-/ ,8 */+' /0' *#*+,' -/#*G <,+8,' 7.+' ' 7.#,' </+,' 7,' 8. .-.8' 4.6'0*-6' 0/-1,< *+' 7,' ,0' ,=,2' .+<' 1$87' .<#.+8,<*+' 7,' -*?7' /+,2' 7$ 2' 3=' .+' N1,N5,8 ,<*+0 .1 1. */+' *+' 7,' ,0' ,=,2' 7*6'7.< <*65, ,<7,' .55.-,+' 1*687*,0'*+' 7.' ,=,' I .+<' 7.' *+' 7,' / 7,-' .6/' <*1*+*67,<2' 6/' 7.' &-' 7*556'6,,16'6.+G ?$*+,' 7.' 7,' 4*' ,00,8' .' 8$-,' *<' +/' 0,,2' 1=' ?//< /-<2' 7/4' =/$'*+ ,-,6' =/$-6, 02' 67/$<B*/' 7.#,' 3,,+' 6/' 5.-*8$.-' /+' 7*6' /88.6*/+L

7,' +,N' , ,-' 8/+ .*+6' .+' *+ ,-,6 *+?' -,0,-,+8,' /' 7,' 6$88,660$2' 3$' .' 7*6' *1,' 1/6' 6,8-, 2' 5-/B,8' /0'8.5 $-*+?' 7,' 8/ /+=' /0' 7,' (.5,' /0' //<' /5,' 0-/1' 7,' $87' ' A$=' '0,4' <.=6' 5-,#*/$6=' /' 7,' <. ,' /0'*' /-<' (.6 ,-,.?7' 7.<3,,+' .55/*+ ,<',8-, .-=' /0' ' . ,' 0/-' F .-' .+<' 7,' (/ /+*,6

' : ' ' 1 3 ' 4

3(" 3 9' ? ' L

C),' "82' ;(#-' :(./"*%%7' *++.(<,# (0' -),' +.(+(#*%' (0' *-%: ;+%"12' -),' .,/8:-"(1' (0' -),' *+,' (0' ((/' (+,' *1/' (0' -%",' "1-,1/,/' (; ;*1/,.# (0'-),' %,,-' *1/' . ;7?*1/'#,,# #(' 0(.:"6%7 -),' */<*1-*2,' (0' 1(' /,%*7B-)*-'),' *8-)(."V,# (./' *#-%,.,*2)' #)(8%/'-),' *6"1,-' *++.(<,' (0'-),' "/,*'-)*-' 1(-' *1')(8.' 6,' %(#-' "1' +8--"12'-),' ,>,:8-"(1' (0"-' "1-(' ,00,:-?

0)' D-

7,' ,N5,<**/+' .?.*+6' 7,' (.5,' /0' //<' /5, Y8/+G 6*6*+?' /0' .' 1** .-=' 0/-8,' /0' 0*#,' 7/$6.+<' 1,+2' $+<,-' &.B/-0 ,+,-.' '*-' .#*<' .*-<2' .+<' .' +.#.' 6@$.<-/+2' $+<,-' <1*-.' '*-' /1,' /57.1 Y6.*,<0-/1' +?.+<' *+' 7,' 1/+7' /0' $?$6 2' 9; W2' .+<' .--*#,<' /00' 7,' (.5,' /+' 7,' _7' /0'A.+$.-=2' 9; K' +' 7,' ; 7' /0' 7.' 1/+7' 7,' -**67' 0/-8,' ,+8/$+ ,-,<' 7,' $87' .+<' 0/-8,<7,1' /' 3, .M,' 7,16, #,6' /' .' 5-,8*5* . ,' -, -,. ' '$36,@$,+ =' 7,' $87' /#,-+/-2' ,+,-.' A.+66,+6' 6*5$. ,<' /' 6$-0

-,+<,-' *,' 47/ ,' /0' 7,' 8/ /+BE' .+<' * 6' <,5,+<,+8*,62' .6' 4, ' .6' .H' 7,' -*?7 6' /0' 7,' . .#*.+' /#,-+1,+ 2' /' 7*6' -* .++*8' &.B,6 =2' /+' 8/+<* */+' /0' 7,' $ 87' 0/-8,6' 3,*+?' 8.--*,<' 7.8M' /' / .+<' .' 7,' ,N5,+6,' /0' 7,' -* *67' /#,-+1,+ 2' 4* 7/$' 7,' -,5-/.87' /0' 3,*+?' -,?.-<,<' .6' 5-*6/+,-6' /0' 4.-

' : ' ' 1 3 ' 4

,A " 23 3 '!! ' L

C),' "12' "# 2.",<,/' -(' 0"1/' -)*-' (./' *#-%,.,*2)')*# -)(82)-'"-',>+,/",1-'0.(;'-),'<,.7'810*".':(1/8:-' (0')"# (++(1,1-#' -(' /,: 8,' *17' 08.-),.':(1-,#-' 68-' 08%%7' *++.(<,# (0' -),' /,:"#"(1'),')*# -*@,1' "# *5,#-7' "# ;8:)'+%,*#,/' -)*-' -),',>+,/"-"(1' 81/,.' -),':(;;*1/'(0' ".' *<"/' *".'/' "# -(' ;,,-' ="-)'1(' 0;9-),.' /,%*7

!) ' D-

' : ' ' 1 3 ' 4

' ,A " '#P ' L

C),' "12' 67' 1(' ;,*1#' (65,:-# -(' -),' "1#-.8:-"(1#' -(' 6,' #,1-' -(' -),' *.A8"#' (.1=*%%"#5?' *1/' ".' *<"/' *".'/' -)(82) 4')*<"12' ;8:)' *--*:),;,1-' -(' -),' "/,*' (0' -),' *+,' .,;*"1"12' *' ."-"#)' (##,##"(1 4 W),X')(+,#' -),' 1,:,##"-7' ="%% 1(-' (::8.' (0' 6,"12' (6%"2,/' -(' *6*1/(1' "-' 0(&?F#8::(8."12' -),' 0(.:,#"1' -),' *#-' 1/",#

C #-(' *:-"<,' (+,.*-"(1#0.(;'),1:,'-)"# *8-8;1')"# *5,#-7"# 1(-'#*128"1,' $")-)+8-' +."(.' *..*12,;,1-# 0(.' :(%%,:-"12')(.#,# *1/' ;*2*V"1,# (1'-),' (1-"1,1-')',#,,# 1(';,*1# (0#86#"#-"12'*17' -.((+#-)*-' ;*7 6,' /,#".,/' 0(.'#8:)'#,.<":,

#' !) ' L' [

7,' +,N' , ,-' *6' .55.-,+ =' 7,' .6' 4-* ,+' 3=' 7,' *+?' /' .+/ 7,-' #,+,-.3 ,' 0-*,+<2' *67/5' $-<' Y

I' "0,' (0' ".' *<"/' *".'/' <(%' "" ' +' U' c:' (1/(1' ! ? *#-%,.,*2)' (.,g 2+(1/(1:,'<(%'<"' +' -')% ' ."2"1*%
-')*.%,#' ".#-' *.A8"#' (.=*%%"#' (<,.1(.9 ,1,.*%' (0' 1/"*'/",/' (1' -),'L-)'(0' -),'0(%%(="12' ;(8-)'*-' *=8+((.'"1' ,1*.,#' 2' ."2"1*%

‘ : ‘ ‘ ‘ + &‘ ‘

‘ . -‘) ‘ ‘ / ' 0‘ ‘ F) '*/# **2 9 7 , ‘U / 9; W

C)(82)‘ "1‘ =*1-‘ (0‘ 1,=#+*+,.‘ "1-,‰"2,1:,‘ 0.(;‘ ;7 @1(=%,/2,‘ (0‘ -),‘ +.(+.",-7‘ (0‘ -),‘ .:)6"#)(+‘ (0‘ *1-,.68.7‘ ‘ 2"<,‘0*"-)‘ -(‘)"#)*<"12‘ <"#"-,/‘ -),‘ 2.,*-‘ (.1* ; ,1-‘ (0‘ ; ; *18,% (‰,2,‘ W "#)(+‘ 8./X‘ =%""%#-‘ .,#"/"12‘ *-‘),%-,1)* ;‘)"# ;*@,# ; ,‘ /,#".(8# (0‘),*."12‘ =)*-‘ " ;+.,##"(1‘),‘)*# ; */,‘ ‘ 0%*--,.‘ ; 7#,%0‘ *‘ 2((/‘ (1,‘? 1(-‘ /(86-"12‘ "0‘6,--,.‘ @1(=1‘ -),.,‘ ; 7 :)("::,‘ =(8%/‘ ; ,,-‘ ="-)‘ *++.(6*-"(1‘ *#) ,B)*# (1‘ *‰‰ +86%":‘ (::*#"(1##)(=1‘)" ;#,%0‘ ,A8*%-(‘)"# #"-8*-"(1

C ‘)*<,‘ ,<,.7‘ .,*#(1‘ -(‘ 0%*--,.‘ ; 7#,%0‘ -)*-‘ ;7‘ #"2)-‘ "# " ;G +.(<"12‘? 7,-‘ ‘ 0,*.‘ -)"# #+,:" ; ,1‘ ="‰‰ 1(-‘ +.(<,‘ -),‘ *##,.-"(1‘ *# 7(8‘ ;7‘2((/‘ (./‘ ;"2)-‘ ,>+,:- I‘),‘2*"1‘ :*1‘6,‘68-‘2"9*/8*%? (65,:-# 2.(="12‘ 6."2)-,.‘ -)(82)‘ 1(-‘ *# 7,-‘ ; 8:)‘ :%,*.,.‘ 1‘ *‰‰ #'-8*-"(1#

C‘ ,%",<,‘ ; ,‘ ,<,.‘ ;7‘2((/‘ (./

C‘ (8.# ; (#-‘ *00,:-"(1*-,%7

!) ‘ 0

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C‘E 3 9‘T ‘ >

+‘ 7,‘ _ 7‘ /0‘ 8 /3,-‘ 7,‘ *+?‘.+<‘ 7,‘ /=.‘ .1* =‘ -, $-+,<‘0-/1‘ F,=1/$ 7‘ /‘ F*+<6/-

I‘ 1‘-),‘ L-)‘ (0‘-%""#‘ ; (1-)‘-),‘ "12‘:(1:%8/,#‘ *‘%,--,.‘-(‘ .‘ "-- 4 C‘ "#‘ 0F9‘ 5,#-73#‘#"2)-‘="%‰1(-‘*‰(=‘)" ;‘-(‘*/‘; (.,‘1#‘-)(82)‘),‘2*"1#‘#(;‘2.(81/‘),‘:*1‘ 1,"-),.‘.,1/‘=%"*-‘"#‘=."--,1‘-(‘)" ;‘31(.‘=)*-‘),‘=."-,# D‘ C‘ ‘2.,*-‘:)*12,‘(0‘)*1/G =."-"12 D‘ (6#,.<,# >i./‘ -*1)(+,‘ C*++,*.# "1‘-)"#%,--,.‘*1/‘*R‘-)(#,‘ (0‘#86#,A8,1-F‘ /*-,‘ -‘)*#2.(=1‘; 8:)‘%*.2,.‘*1/‘-),‘:)*.*:-:"# *.,‘<,.7‘"1/"#-"1:-‘*1/‘"‰90(.;,/ D‘ * ‘ ‘ ‘<(%‘"< ‘ ++,1/">‘+‘>><"" ‘*1/‘ ‘

-‘ ,1-%,73#‘ "#:,R*17‘<(%‘>><"‘+‘L !

(' %

), " "12B# ; ,1-*% *1/' 6(/"%7'),*%-)' 4 ' "# 2.",0 *-' -), ' /,*-)' (0 ,%#(1 4 ' *6"-# *1/' -*#-,# (0 H8,,1 %"*.%(--,' 4 ' ,5,:-# "--B# */<":,'-(' */ ; "-' (./ .,1<"%%,' *1/' (>' "1-(' -%",' *6"1,-' 4 ' *+"-8%*-"(1' (0 " ;' *1/' 6*--%,' (0 8#-,.%"-V 4 ' "--3# /,,+' /"#-.,## *-' -),' #8::,## (0 *+(%,(1B# *. ; # 4 ' "--B# %*#-' "%%1,## *1/' /,*-)' 4 ' *.%"* ; ,1-*.7 <(-,' 0(.' /,0.*7"12')"# /,6-# 4 ' "# 081,.*% 4 ' ,,%"12# (0 (./ .,1<"%%,' *1/' (>' (1' .,:,"<"12' "1-,%%"2,1:,' (0')"# /,*-)

' *+?06 7,. 72 3/<* =' .6 4, ' .6 1,+ . 2 7.< ++@* ,60 */+.7 =' 3,+,0* ,< 3=' 7*6 #*6*' /' F,=1/$ 7' 7/+?7 /88.6*/+. =' 6$3B,8 ,< /' <,5-,66*/+' /0 65*-* 6 8.$6,< 3=' 7,' $+8,- .*+' .+< 6/1,*1,6 . .-1*+?6 . ,' /0 7*6 ,=,6*?7 2 7,' *6 -,5/- ,< /' *.#,' 3,,+2 ?,+,-. =' 65,.M*+?2 ' 4, ' *+' 3/<=' .+< *+' 1*+< L ' ' $-' ?//< *+?2L' 4-* ,6 /-< ,+ ,=' /' /-< $8M .+< /+' 7,' 96' /0 /#,13,-2 ' 8/+G *+$,62 1*+< .+< 3/<=2 6*?7' ,N8,5 ,<2 3, ,-' 7.+' ' 7.#,' 6,,+' 7*1' 0/-' =,.-6' ' 0/-?/' /' , ' =/$' 7. ' 7,' 5 .=6 . ' (/11,-8,' 4* 7/$' .+=' 0$- 7,-' .66*6 .+8,' 7.+' 7,' <,-*#,6 0-/1' 7*6 65,8 .8 ,6' ,' 4.6 .6' +*?7' *+' ?//< 65*-* 62 7. ' 7,' 7.< +,.- =' ?/' -*< /0 7*6 8/ < 4* 7/$' * E 7.#*+?' .00,8 ,< 7*6 ,=,62 .+< 4.6 87,,-0$' f *+' 67/- 2 4.6 7*16,0' ,' . M,< 1$87 /0 &.8M2B' /0 47/1' 7,' 7*+M6 .6 ' </' 7*6 1/-+*+?' ' 1,' 7*1' *+' 7,' .-M2 . ' ,+' /08 /8M2 .+< -/<,' 4* 7 7*1' * ' .' @$.- ,-' 5.6' /+,' ,' 4.6 87,,-0$ 2 .+< 4,' 7.< 1/-,' 7.+' /+,' /0 7*6 7,.- =' .$?762 47*87 ' 7.#,' +/' 7,.-< 3,0/-,' 0/-' 6/1,' *1,' ,' . M,< /' 1,2 *+<,,<2

Q 8:@%*1/' (..,#+(1/,1:,' <(%' "<' +' U
9 %%8/"12' -(' -),' :,%,6.*-,/' :*+"-8%*-"(1' (0 ,1,.*% *:@' *-' R%; ' (1' -%",' -)' (0 :-(6,.' 67' =)":)' ! ' 8#-."*1# %*"/' /(="@-),".' *. ;# -(' -),' .,1:)

+‘ .+‘ .0 ,8+? 1.++,-? /0‘ 7*6‘ 6* $. */+? 6.=*+?‘ 7.‘ 7,‘ 7.< -*,< 7*6‘ 1/-+*+?? 7$‘ *+‘ #.*+? /‘ -,.< 7,‘</8M,‘ /0‘ /+,‘ /0‘ 7,‘ <,65. 87,6? 3$‘ *6‘ 8/+#*+8,< 7.‘ 7,‘ 5,-8,*#,6‘ .+‘ .1,+<1,+? .+< 7.‘ ,#,+‘ 4*7‘ 7,‘ ,0‘ ,=,‘ 7,‘ 8.+‘ 5,-8,*#,‘ 7,‘ *?7‘ .<=‘ ,+ ,=‘ 6.=6‘ 7.‘ 7,‘ 5-,6,+ ,< 7,‘ 1$00*+6‘ /‘ 7,‘ .<*,6‘ .6‘ +*?7‘ *+‘ 7*6‘ / < B/8/6,‘ .+< ?//<07$1/$-,< 1.++,- L

6‘ 7,‘ *+?06‘ 6*?7‘ 3,8.1,‘ 1/-,‘ .+<‘01/-,‘ *15.*-,<? 7*6‘ , ,-6‘ /‘ 7*6‘ 8/--,65/+<,+ 6‘ +. $-. =‘ 3,8.1,‘ 0,4,-‘ .+< 0,4,-‘ ,‘ 4.6‘ ,+.3 ,< .‘ *1,6? 7/4,#,-2P /‘ .M,‘ $5‘ 7*6‘ 5,+? .+< 7,‘ ,N8, ,+‘ $6,‘ 47*87‘ 7,‘ 1.<,‘ /0‘*‘ 1.=‘ 3,‘ 6,,+‘ 3=‘ 7*6‘ 8/--,65/+<,+8,

^‘ : ‘ ‘ 1 3 ‘ 4

/< “T (‘ L

C‘),‘ "12‘)"2)%7‘ *++.(<,#‘ (0‘ -),‘ +.(+(#*%‘ (0‘#,1/"12‘ 0"<,‘ -)(8#*1/‘ ."-"#)‘"10*1-.7‘ =")‘ -),‘ "10*1-.7‘ (0‘-),‘ ,.; *1‘ ,2"(1‘ -(‘-),‘ %6,?‘ *#‘ *%#(‘-), %"2)-‘ .,2"; ,1-‘ (0‘ /.*2((1#‘ (0‘-)*-‘%,2"(1‘ 81/,.‘ -),‘ :(; ; *1/‘ (0‘ ",8-,1*1-9 ,1,.*%‘ (1‘ =)(‘ "#‘ <,.7‘ +.(+,.%7‘ -(‘ +.(:,,/‘ "1‘ -),‘ 0".#-‘ "1#-*1:,‘ -(‘ ,.%"1‘ *1/‘ (1‘)"#‘ .,-8.1‘ -(‘ -),‘ %6,‘ -(‘ (./,.‘ -),‘ /"#, ; 6*.@*-"(1‘ (0‘-),‘ -.((+#‘ "0‘ -),.,‘ "#‘ 1(‘(65,:-"(1‘-(‘-)*-‘-*@"12‘,00,:-‘0

C‘ ‘ 2((/‘ +.(+(.-"(1‘(0‘ *.; #‘ *1/‘ *; ; 81"-"(1‘(82)-‘-(‘),‘ #,1-‘ =")‘-)‘-)"#‘ :(.+#‘-(‘ *.;‘-),‘ *1(<,."*1#‘-)*-‘ ="%‘ :,.-*"1%7‘0%(:@‘-(‘ (8.‘#-*1/*./

C #‘ -(‘ -),‘ +.(+(#,/‘ *--,; +-‘ (1‘ -),‘ (8%(21,‘ 0%(-"%%*‘)"#‘ *5,#-7‘ /(,#‘ 1(-‘ +%*:,‘ ; 8:)‘ ,>+,:-*-"(1‘ (0‘#8::,##?‘ ‘ -)(82)

[‘ 8:@%*1/‘ (..,#+(1/,1:,‘<(“‘”<‘++‘ L ‘ L

S-‘),‘ "12‘ *%%8/,#‘ -(‘ -),B‘ =,%%9@1(=1‘ ,>+,/"-"(1‘ -(‘ -),‘ (.-)‘ (0‘ ,.; *17‘ +%*11,/‘ 67‘ "--‘ *1/‘ (./‘ *#-%:.:*2)‘ =)":)‘ “-‘ =*#)(+,/‘=(8%/‘)*<,‘-),‘/(86%,‘ ,00,:-‘ (0‘.,:(<,."12‘ *1(<,.‘0.(;‘-),‘ .,1:)‘*1/‘; *@"12‘ *‘ /"<,.#"(1‘ "1‘0*<(8.‘(0‘ -),‘ 8#-."*1#‘ -‘=*# :(; ; *1/,/‘"1‘-),‘0".#-‘ "1#-*1:,‘67‘ ,1,.*%‘ (1‘*1/‘*0-,.G =*./# 67‘ (./‘ *-):*.-‘ -‘ =*#‘"1‘-)"#‘ ,>+,/"-"(1‘-)*-‘-),‘ %*-,‘ 8@,‘ (0‘E,%G %"12-(1‘0".#-‘:(; ; *1/,/‘*‘6."2*/,

“‘),‘ "12‘,<"/,1-%7‘*%%8/,#‘-(‘ *‘0*<(8."-,‘+.(5,:-‘(1‘=)":)‘ .‘ "--‘=*# "1-,1-‘ *1/‘"1‘=%“:)‘)(‘#,,;#‘-(‘)*<,‘6,,1‘ #8++(.-,/‘ 67‘ (./‘ *#-%(.,(2)‘0(.‘/,#-.(7"12‘ -),‘ ,1:)‘0%(-"%%*‘ *-‘ (8%(21,‘ C ‘ #-"%%‘ ,1-,.-*"1‘:(1#"/,.*6%,‘)(+,#D‘=.“-,#‘ "--‘ -(‘ *#-%,.,*2)‘(1‘-),‘ -)‘(0‘ :-(6,.‘D‘(0‘#(;,-)"12‘,0-3:-8*%‘6,"12‘/(1,‘67‘-),‘ .(:@,-#‘*1/‘ ‘-.8#-‘7(8‘=“%‘1(-‘)*<,‘)*/‘ ;8:)‘08.-),.‘/"0“ :8%-7‘“1‘(<,.:(;"12‘-), (65,:-"(1#6(-)‘(0‘(./‘ ,“-)‘*1/‘-),‘ /;".*%-7‘ (8.‘*1#=,.‘-(‘ (./‘ *.)*;‘+%*:,# -),‘#865,:-‘,>*:-%7‘“1‘-),‘-.8,‘%“2)-BB 4 *.‘“ -*1)(+,3# * ‘ ‘ ‘<(“‘”<‘+‘!! i

(0 =)*-"-"#8++(#,/"# =,%% @1(=1 67 -%", (./)*1:,%%(.68-
-)"1@# 1(1(-":, #)(8%/ 6, -*@,1-"%%-), *."<*% (0 (./ (".*
), "12 0,*.#-%"*-), 81)*++7 /,%*7 (0; *17 ; (1-)#)*# 2"<,1
."#, -(-)"# 0.,#) :)":*1,

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C E" (1 BE H "C , .e /9; W

C), "12 :(1#,1-# -((./ *#-%,.,*2)3# +.(+(#*% -)*-
". ()1 1#-.8-),. 6, +,. ; "--,/ -(.,#"21)"# #,*- (1 -%": ,1:)
*- *%:8--* *1/ .,:,"<, -), +,1#"(1 *%%(=,/ *0-,.)*<"12 %",@% -)*-
#"-8*-"(1 #,<,1 7,*.# ". ,1.7 8##,%% -(#8::,,/)"; *1/ ".
E "%%"* ; 8..(=,# -(#8::,,/-), %*--,.

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F* ' $ \' 2OM4 = * / '

C), "12 /".,:-,/ ",8-,1*1-9 (%(1,% *7%(.-(#-*-, "1
* :(10"/,1-"* %,--,.)"# *5,#-73# #,1-"; ,1-# (1 -), 08%%,#- :(1G
#"/,.*-"(1 (0 -), +.,#,1- /"%, ; ; * "1 =)":))"# (; " *1/)"#
0* ; "%73# "1-,.,#- "1 ,. ; *17 *., +%*:,/ 67 -), 81-(=*./ ,<,1-#
-)*-)*<, *."#,1 "1 ,. ; *17 ? *1/ "1 :(1#,A8,1:, (0 =)":)), %"*#
%.,/7 #,1- (./,.# -((81- 81#-,. 67 1(; ,*1# -(,1-Q. "1-(
17 1,2(-"-"(1 =")- .8##"* B*1/ *#)"# *5,#-7 /,:"/,/%7-)"1@#
-)*-)"# /(; "1"(1# 6,"12 "1 -),) *1/# (0 *1 (+,1 ,1, ; 7 "# %(##
/*12,.(8# -)*1 "1 -)(#, (0 * 0*%#, 0.",1/ -),.,0(.,), 67 1(; ,*1#
:*%%# (1)"# ."-"#) "1"#-,.# 0(. *1 (+"1"(1 * 1 /

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#W V %EHE6 "M 9602 '

C), "12 "# #,1#"6%, (0 . ((@,3# *6"%"-7 *1/ ; ,."-#
6(-) "1 -), , ; +%(7 ; ,1-),)*#), %/ "1 -), (%(1"* ,+*.- ; ,1-
*# *%#(" "1 .,%*1/ *1/ :(1#,1-# -(-), +.(<"#"(1 +.(+(#,/

!) 4 G L

%/(1 ."2"1*% - ."2"1*%
- ."2"1*% MM), =%"(%(" (0 -)"# %,--,. #)(=# -)*-)"# *5,#-73# #"2)- =*#
$,.7 ; "",) "; +*".,/), %*#- -=(" (.-).,, %"1,# *.: *%; (#- "%%,2"6%, D4 1(-,
67 . .(@,. Z ."2"1*%

5 .8,2 -*+8,66 *>.3, 7 3,*+? 6. =/0 /$-5.- =2 .+<
+/ $+0-,@$,+ *= -*+8,66 &.-= 7, -*+8,66,6 $?$6 .
.+< '/57*. -/<, 4* 7 7, *+? 7, -*+8,66 *>.3, 7
7.< . 5-, =8/ .?, .+< ?.-<,+ . < F*+<6/-2 47,-,
67, 4/$ <6/1, *1,6 *+ 6$11,-?*#, * ,0w ,6 4.6
. -/?1/-, 7. 7, Q$,,+?,+,-. =8, ,3-. ,< 7, 3*- 7G
<.=6 /0 7, -*+8, /0 F. ,6 .+< 7, $M, /0)/-M2 .6
7,=4,-,3/ 7 3/-+* *+ $?$6 f 47* , -*+8,66 *>.3, 7
<*< 7, 6.1, 0/- 7, $M, /0 (.-,+8,06 3*- 7<.=2 47*87
4.6 .6/ *+ 7. 1/+7 +< *+ /#,13,- 7, Q$,,+
?.#, . 0w , 0/- 7/6, /0 7, -*+8,6,66 $?$6 . .+<
'/57*. L

1.=3, 1,+*/+,< 7. Q$,,+ (7.-/ ,06 .6 , 0/-
*,-. $-, ,< /7,- ,6 .3 *67*+? .5-*#. , 5-*+ *+?05-,66
. -/?1/-,2 . 47*872 7/4,#,-2 /+= 4/ 8/15, ,4/*IM6
.55,.- /7.#, 3,,+ 5-*+ ,< 7, 0*-6 2 47*87 8/+6*6 6
/0 .61. /8 .#/#/ $1,/0 /+, 7$+<-,< .+< , ,#,+ 5.?,62
6 ,+ ,< P -.+6 . */+6 0-/1 7, ,-1.+2 *+ -/6, .+<
",-6,2C 7, 8/+ ,+6 3,*+? ,+*-, =/0 . -, *?*/$6 87.-.8 ,-2
8/+6*6 *+? /05-.=,-62 1,<* . */+62 .+< 7=1+6 7, #/ $1,
*6 *+68-*3,<2 7, *0 /0 7, Q$,,+ / 7,- 3, /#,<
.$?7 ,-62 (7.-/ ,0 $?$6 .0&.*<.2 $?$6 .0'/57*.2
>.3, 72 &.-=2 .+< '/57. f .+< 4* 7 7,- 5,-1*66*/+
<,<*8. ,< / 7,*- /=. *?7+,66,6 3= *60(/+6 .+*.
+*?7 L 7, / 7,-#/ 1+,2 . 0// 68.5 @$.- / /0 +*+ =
5.?,62 *6 6*15 =,+* ,< P &*68, .+,/$6 /,1620 .+< 8/+G
6*6 6 87*,0 =/0 . P6, ,8 */+ /0 0$?* *#, 5*,8,6 7,=4,-,
3/ 7 5-*+ ,< *+ 9;9 F 7,+ 7, Q$,,+2 * * *6 6.*<2 0*-6
*+ *1. ,< / 7,- *3-.-*.+ 7,- *+ ,+*/+ /0 6, *+?? $5 .C
5-*+ *+?05-,662 7, *+0/-1,< 7,- 7. * * 4/$ <3, +,8,66.-=
/7.#, * * -,?*6 ,-,< F, 2L 67, -,5*,<2 , * * 3, 6/ f
3$ 3, *,#, 7,-, *6 +/ <.+?,- /0 /$- 3,*+? 6,+ /
,.<*+? ./ 0/-5-*+ *+? *3, 6 L0

f "?_ 1"2)-8# 8-("(2.*+%"7 <(% "++ E*-%/1#3# ,;(".# (0H8,,1)*"%("-: ++ L L

+' *,' 1,.+' *1,2 * ' 7.< 3,,+' ,N,- *+?' 7*16, 0' /' 6 *C,+? 7,+' 7*6' <1*+*6 -. */+2' 4 **87' 7.< 3,,+' #,-=' *+G 8/+#,+*,+ =' 4,.M,+,< 3=' 7,' <,0,8 */+' /0' /-< '*<1/+ 7' .+< 7*6' 0-*,+<6' F * 7' 7,' #*,4' /0' ,00,8 *+?' 7. ' /3B,8 2 7,' 4.6' 6 * ' .6' <,6*-/$6' .6' 7,' 7.< 0/-1,- =' 3,,+' /0' .<G 1* *+?' /N' /' .' 67.-,' /0' 5/4,-2 .+< .88/-<*+? =2 /+' $,6<.=2 7,' 9: 7' /0' ',5 ,13,-2 7,' 5.*< .' #*6* ' /' 7,' *+?' . ' F,=1/$ 72 *+' 7/B*,6' /0' 0*+<*+?' 7*1' ,66' *+G 8,+6,< .?.*+6 ' 7*6' / < 5/ * *8. ' .+ .?/+*6 ' ' 4.6' 7,' /5*+*/+' /0' 7,' *+?2 7/4,#,-2 7. ' 7,' /#,-+1,+ 2 .6' . ' 5-,6,+' 8/+6 * $,<2 1*?7 ' 3,' 8.--*,< /+' @$* ,' .6' 4, 2 .+< 4* 7' 1$87' 1/-,' -,65,8 .3* * =2 7.+' *0' 7,' 8/+6,+ ,< /' .' 8/. * */+' 47*87' 7,' . *M,' -,?0 -<,< .6' .+' $++. $-. ' /+,2 .+< .6' 0-.$?7 ' 4* 7' <.+?,-' /' 7,' ' . ,' F7,+2 7,-,0/-,2 * ' @$* ,< 7,' -/=. ' 5-,6,+8,2 .0 ,-' .+' .$G <*,+8,' 47*87' .6 ,< 0/-' 7-,,' 7/$-62 .+< 47*87' 7,' 4.6' .0-.*< /' 5-/ /+?' ,6 ' * ' 1*?7 ' 7.#,' .+' *+B$-*/$6' ,00,8 ' $5/+' 7,' *+?06' 7,. 72 * ' 4.6' 4* 7' 7,' 1/- *0*8. */+' /0' 8+/4*+?' 7. ' 7*6 ' ,--.+< 7.< 3,,+' .+' *< ,' /+,

' 0,4' <.=6' .0 ,-4.-<62 '$+<.=' 7,' +<2 7,' *+?' -, . ,< /' /6,' 47. ' 7.< .M,+' 5 .8,' /+' 7,' $,6<.= ' ' 4,+' /+' 7,' 65 .+.<,' ,.- =' *+' 7,' 1/-+*+?2L' 4-* ,6' /6,2 .+< . ' .' @$.- ,-' 5.6 ' 6,#,+' 7,' *+?' 8.1,' 7,-,2 .88/15.+*,< 3=' (/ /+,' .= /-2 47/2 /+' 7,' *+?' 8. *+?' 1,' /' 7*12 ,0 ' $6 ' *6' &.B,6 =' 7,+' / < 1,' 7. ' &-' * ' 7.< 1.<,' #,-=' 6 -/+?' -,5-,6,+ . */+6' /' 7*1' /0' 7,' +,8,66* =' /0' 6 -,+? 7,+*+?' 7*6' /#,-+1,+ ' 3=' 7,' .88,66*/+' /0' 5,-6/+6' 0-/1' 7,' 5.- *,6' /0' /-< -,+G #* ,' .+< /N2 3$ ' 7. ' 7,' 4.6' 5,-6$.<,< 7,-,' ,N*6 ,< +/' +,8,66* =' 47. ,#,-' 0/-' 6$87' .' B$+8 */+I' 7. ' 4,' <*< #,-=' 4, ' *+' 7,' .6 ' ',66*/+2 .+< 7,' 4.6' 8/+0*<,+ ' 4,' 67/$ < +/ ' 3,' 4/-6,' *+' 7,' ,+6$*+?' /+, L' ,' 4.6' <, ,-G 1*+,<2 7,' 6.*<2 +/ ' /' .M,' .' 6*+? ,' 5,-6/+' /0' 7,' 55/0

6* */+ *+ /7, <1*+*6 -. */+ 8/$ +/ 2L7, .<<,<2 -$6 7,12 .+< 7,=8/$ <7.#, +/8/+0*<,+8, *+1, L H+<,- 7,6, 8*-8$16 .+8,62 +/87/*8, 4.6 ,0 / * 7$ /, +8/$+ ,- .- *.1,+ *+ 7*6 5-,6,+ 4,.M .+< ,*+7.-0 -.66,8 8/+<* */+

H+ *.55* =2 7, 4.-5/ *8=5-6,< 3= * <$-*+?* **6 6,8/+< <1*+*6 *C. */+ 5-/#,< / 3, .6 3.--,+ /0 ?-,. *0,6$ 6 .6* 7.< 3,,+ <$-*+?* 7*6 0/-1,- ,+$-, /0 7, -,G 1*,-67*5 -$, * *6 7. 7, 7.< 6$88,,<,< *+ /55/6*+?* / *, .13* */+ /0 .5/ ,/+2 .+< / 7, 0/-1*<.3 , -,6/$-8,6 /0 -.+8,2 . ?-.+< 8/13*+. */+ /0 7, /-7,-+ /4,-6 /0 $-/5, T #.$ /02 .+< /#,- 7, .67,6 /0 7, ?-,. -,<,-*8M2 7, (>.- /0 $66*. .+< 7, *+?* /0 -$66*. 7.< 64/-+ / .88/15*67 7, *3,-. */+ /0 ,-G 1.+= -,.<= $66*.2 $6 -*.2 .+< '4,<,+ 7.< $+* ,< 4*7 -,. -* .*+ *+ 47. 5-/1*6,< / 3, .+ /#,-G 47, 1*+?* 8/. * */+2 47* , 7, 0$-7,- .8*#, .88,66*/+ /0 -$66*. 4.6 ,N5,8 ,< *11,<*. , = / 0/ /4 4.6 * 06* 00/-$+,27/4,#,-2 / 3, 1.87,< .?.*+6 .1.6 ,-G 65*-* 47/6, *+ , ,8$. 5/4,-62 .+< 47/6, +,#,-00.* *+?* -,6/$-8,62 4,-, 0.- 1/-, -.+68,+<,+ 7.+ 7*6 /4+ 7$6 7, ?-.+< 8/+8,5*/+ /0 7, -* *67 &*+*6 ,-2 *+6 ,.< /0 .--,6 *+?* 7, 7,.< /+?* 8.-,,- /0 .5/ ,/+ .6 * 7.< 0/+< = 8/+ ,15 . ,<2 5-/<$8,< 7, <*-,8 = 8/+ -.-= -,6$ /0 ,+.3 *+?* 7*1 / 8-$67 7*6 ,+,1*,62 .+< / 8/+6 -$8 .+ ,15*-, 1/-, ,N ,+6*#, 7.+ 7. /0 (7.- ,1.?+, / 6//+,-2 0/- *+6 .+8,2 4,-, 7, *+ ,+ */+6 /0 7, *,6 <*6G 8/#,-,< 3= 7, -,+87 15,-/-2 7.+ 7, . /+8, 5,-G 8,*#,< 7, #.6 *15/- .+8, /0 . .8M*+?* 7, ,+,1=3,0/-, 7, .-1*,6 /0 $66*. .+< $6 -*. 8/$ <0/-1 .B$+8 */+2 D.+< 3,0/-, -$66*. 8/$ < 1.M, 7,- .55,.-.+8, /+ 7,

[(#(3# "*.",# <(% "" ++ c:
- F/$ <. 1/6 .55,.-$6 *0 7, "12 4.6 7, /-*?*+. 5-/B,8 /- /0 7*6 0.1/$6 687,1, Y ,, @ M 0 =/ ** ++ P

4 ./‘ 5.66,<‘ .1‘ *+‘ 7,‘ .-M2L‘ 4-* ,6‘ /-<‘ &.8.$.=2‘
‘. ‘ 47/‘ 7.<‘ *+ ,-#*,46‘ 4* 7‘ 7*1‘ *+‘ 34+*+?06 -,, 2‘
6.4‘ 1*6,-=E4-* ,+‘*+‘7*6‘0.8, L‘
7$60‘4.6‘ 7,‘ 6 -*8M,+‘ &*+*6 ,-‘ 6$00,-*+?‘ *+‘ 1*+<‘
.+<‘ 3/<=‘ 47,+2‘ . ‘ 7,‘ 3,?*++*+?‘ /0‘ /#,13,-2‘ 7,‘
6 .- *+?‘ *<*+?6‘ /0‘ B&.8M06 8.5* $. */+‘ . ‘ H 1‘ -,.87,<‘
/+</+‘ ‘ 0*-6‘ 7,‘ +,46‘ .--*#,<‘ 7-/$?7‘ +/‘ /00*8*.‘
87.++, 2‘ =, 2‘ .6‘ /-<‘ &. 1,63$-=‘ *+0/-16‘ $62‘ *‘ 8.1,‘
‘*+‘6/‘ 1.+=‘67.5,6‘.6‘ /‘ ?*#,‘ *‘ 3$‘ //‘ 1$87‘ 7,‘ .5G
5,.-.+8,‘ /0‘ -$ 7 L‘ 7,‘ 0.8 2‘ 7/4,#,-2‘ /0‘ 6/‘ ,--*3 ,‘ .‘
1*60/-$+,‘ 7.#*+?‘ /88$--,<2‘ * ‘ 4.6‘. 1/6‘*+8.5.3 ,‘ /0‘
-,. *>*+?‘ ‘ ‘8 ,.- =‘5,-8,*#,<2L‘ 4-* ,6‘ /-<‘ &. 1,63*$=‘
47/‘ <*+,<‘ 4* 7‘ 7*1‘ /+‘ ‘. $-<.=‘ 7,‘ +<‘ /0‘ /#,13,-2‘
‘ 7. ‘ 7,‘ <*63, *,#,<‘ * ‘ 1/-,‘ 0-/1‘ 7,‘ ‘ /0‘ * 6‘ 3,*+?‘
-$,‘ 7.+‘ 0-/1‘ .+=‘ 4, 0?-/$+<,<‘ 8.$6,‘ +‘ 1=‘ 6 * ‘
,N5-,66*+?‘ 1=‘ 0,.-62‘ 7,‘ . 1/6‘ 5,,#*67 =‘ 6.*<YP /+C‘
3, *,#,‘ .‘ 4/-<‘ /0‘* f * ‘ *6‘ . ‘ .‘ 0*8 */+.+<‘*+‘6/‘ /$<‘
.‘ #/*8,‘ .6‘ /‘ 3,‘ 7,.-<‘ 3=‘ .H 47/‘ 4,-,‘ +,.-‘ $6‘ $‘
/+‘ '$+<.=2‘ -<‘ /#,13,-2‘7,‘.+<‘ /-<‘ &$?-.#,0‘ 8.1,‘
/‘ 1,‘ *+‘ '5-*+?‘ -.-<,+62‘ .3/$‘ /+,‘ /08 /8M2‘ 4* 7‘ .‘
$ 87‘ +,465.5,-2‘ *+‘ 47*87‘ 7,‘ 8.5* $. */+‘ /0‘ H 1‘ 4.6‘
+6,- ,<‘ .‘ 0$ ‘ ,+? 7‘ 6‘ 7,=‘+, 7,-‘ /0‘ 7,1‘ $+<,-G
6 //<‘ $ 872‘.+<‘.6‘.H 7,‘ /00*8,6‘4,-,‘,15 =2‘ 7,=‘8.1,‘
/‘ 1,‘ /‘ -.+6 . ,‘ * 2‘ 47*87‘ ‘ <*<‘ .6‘ 4, ‘ .6‘ ‘ 8/$ <f .+<‘
‘ /36,-#,<3$‘ //‘8 ,.- =‘ 7,‘ ,00,8‘*‘7.<‘/+‘ * 2‘ 7/$?7‘
7,‘<*<‘7*6‘$ 1/6‘ /‘ 8/+8,.‘* ‘ 7*6‘ 4.6‘ 7,‘ .6‘ *1,‘ ‘
6.4‘ 7*1‘ ,‘ 5-/1*6,<‘ 1,‘ /‘ 8/1,‘ 0/-‘ .‘0,4‘ <.=6‘ /‘
.-M‘ .8,‘ /+‘ 7*6‘ -, $-+‘ 0-/1‘ . 72‘ 47,-,‘ 7,‘ 4.6‘ 7,+‘
?/*+?2‘ 3$‘ 4.6‘ //‘ * ‘ /‘ M,,5‘ 7*6‘ 4/-<‘ 7*6‘ #*6*‘ 7.6‘
,0‘ .+‘ *+<, *3 ,‘ *15-,66*/+‘ /+‘ 1=‘ 1*+<2‘ .6‘ 7*6‘ 1.++,-‘
.+<‘ //M‘ 4,-,‘ +/‘ 7*6‘ /4+2‘ .+<‘ ?.#,2‘ 1,2‘ *+‘ 65* ,‘ /0‘
1=6, 02‘ .‘ 0/-,3/<*+?‘ /0‘ 7,‘ /66‘ 4* 7‘ 47*87‘ 4,‘ 4,-,‘
7-,. ,+,< L‘A

I‘ "(2.*+)",# +‘ ‘ -‘ ,:.,-*.7‘(0‘ -*-,‘0(.‘ (.,"21‘ 0 "/.#
‘ (./‘ *%;,#68.7B# "*""(#‘<(%‘"<‘++‘!U ‘ !U

.(55* =2 0/$- ‘ <.=6 .0 ,-4.-<62 .--*#,< 7,‘ *<*+?6 /0 7,‘ ? /-*/$6 3. ,‘ /0 -.0. ?.-2 6.<<,+*+?2 7/4,#,-2 7,‘ 1*+< /0 7,‘ &*+*6 ,-‘ 7=‘ 7,*-‘ 8/+#,=*+?‘ 7,‘ .<<* */+.‘ *+ , *?,+8,‘ /0 7,‘ <,. 7 /0 7,‘ *11/- .‘ ,6/+‘ ‘ +,‘ <.=2*+‘ /#,13,-2L‘ 4-* ,6 /-< * >7.--*62 ‘ ‘ 7.55,+,< /‘ <*+,‘ 4* 7 * 2 .+< -.0. ?.-‘ 4.6 +. $-. =‘ *,‘ ,+G ?-/66*+?‘ 6$3B,8‘ /0 /$-‘ 8/+#,-6. */+‘ ‘67. ‘+,#,-‘ 0/-?,‘ 7,‘ , /@$,+‘ 1.++,-‘ *+‘ 4 **87 7,‘ <,68-*3,< 7*6 8/+0 *8 *+?‘ 0,, *+?6 47,+‘ -/$6,< *+‘ 7,‘ +*?7‘ /‘ -,.< (/ *+?4//<06 <, 65. 87,6‘ ,‘ /36,-#,< 7.‘ 7,‘ 7.< 3,,+‘ 8. ,< $5‘ .‘ #.-*/$6 7/$-6 *+‘ 7*6 ,#,+ 0$‘ *0,‘ 3=‘ 7,‘ .--*#.‘ /0+,46 /0 #.-*/$6 7$,6 I 3$‘ 7. 2 47, 7,-‘ ?//< /-‘ 3.<2 7,‘ 8/$ < . 4.=6 .=‘ 7*6 7,.< /+‘ 7*6 5* /4‘ .+< 6*+M *+ /‘ 6/$+< 6 ,,5 .?.*+‘ +2 7*6 /88.6*/+2 7/4,#,-2 7,‘ ?-,.‘ ,#,+‘ .++/$+8,<2 3-/$?7‘ 4* 7 *‘ 6/ 1$87 /‘ 4,,5 /#,-‘ .6 4,‘ .6 /‘ -,B/*8,‘ .2 7.‘ 7,‘ 8/$ < +/‘ 8. 1‘ 7*6 7/$?7 62 3$‘ .‘ ,+? 7 ?/‘ $52 7/$?7 *‘ 4.6 7-,,‘ /08 /8M *+‘ *,‘ 1/-+*+?

/-‘ 6/1,‘ *1,‘ 5.62 7,‘ 6 . ,‘ /0 7,‘ &*+*6 ,-06 N,. 7 7.< *+<$8,< 7*6 57=6*8*.+6 /‘ -,8/11,+< 7*1‘ /‘ 5.=‘ .‘ #*6*‘ /‘ . 72 3$ 2 47, 7,-‘ 0-/1‘ <*6*+8 *+. */+‘ /-‘ 0-/1‘ 7,‘ <,1.+<6 1.<,‘ $5/+‘ 7*1‘ 3=‘ 5$3 *8 3$6*+,662 * ‘ 4.6 +/‘ * ‘ 7,‘ : 7 /0 ,8,13,-‘ 7.‘7,‘0/ /4,< 7,*-‘ .<#*8,‘ ‘ 7,‘0*-6‘ ,00,8‘ /0 7,‘4. ,-62 C 4-* ,6 /-< &. 1,63$-=2 ‘4.6 /‘ 5-/8$-,‘ .‘ 0*‘ /0 7,‘?/$ 2 3$‘+/‘ .‘6. $.-=‘ /+,‘ ‘4.6 . ,+<,< 4* 7 ?-,.‘ 5.*+2 .+< 5-/<$8,< ,N8,66*#,‘ 4,.M+,66 .+< .‘ / .‘<,3* * =‘ /0 <*?,6 */+ L‘2‘ +‘ 7*?8/+G <* */+‘ 7,‘ 4.62 47,+‘ (.++*+?‘ .--*#,< 0-/1‘ /+</+‘ /‘ 3-,.M /‘ *1‘ 7,‘+,46 /0 .+‘,#,+ Y,#,+‘ 1/-,‘8. .1* /$6 7.+‘ 7,‘ 6$--,+<,-‘ .‘ H 1‘ Y‘ 7.‘ /0 7,‘ ?-,.‘ #*8 /-=‘ 4/+‘ 3=‘ .5/ ,/+‘ .‘ $6 ,-7 >‘ 7,‘0*-6‘*15$ 6,‘ /0 7,‘ .8,-. ,< &*+*6 ,-2 /+‘ 7,‘ <,65. 87,6‘ 3,*+?‘ .*< 3,0/-,‘ 7*12 4.6 /‘ 8.‘ 0/-‘ .‘ 1.5‘ /0 7,‘ 6,.‘ /0 4.-0.+< /

<,6*-,' /' 3,' ,0' . /+, ' -/1' 7.' *1, '3*6 8/$+ ,+.+8,' .8@$*-,< ,#,+' .+' *+ ,+6,-' //M /0' 1*6,-=' 7.+' 3,0/-,' F*3,-0/-8,' $6,<' /' 8.' *' 3*6' ' $6 ,-*>' //ML' '7*6' 0-*,+<6' 6,,*+' /' 7.#,' 3,,+' .?-,,<' 7.' $6 ,-*>' <,. ' 7*1' 3*6' <,. 703 /4' ' ' 6 -$8M' * ' 6/' <,,5 =2L' 4*0* ,6 /-< &. 1,63$-=2' $.+< 0/$+< 7*1' *+' 6$87' .+' ,+0,,3 ,< 6 . ,2 7.' 3,' 8,- .*+ =' +,#,-' -,8/#,-,< *20L0' +' -,G 8,*#*+?' 7,' .88/$+' /0' 7,' .-1*6 *8,' .0 ,-' 7,' 3. ,' /0' $6 ,-*>2L' 4-* ,6' /6,2' 7,' ?/$' @$* ,< 7,' ,N-,1**,62' .+< 7,' 0, ' *+ /' .' <,3** =2' 47*87' 8/+ *+$. =' *+8-,.6,< L'A' * 2L' 4-* ,6' F*3,-0/-8,2' 4.6' M* ,< 3=' 7,' ,+,1=' .6' 1$87' .6' , 6/+L' [

+' 7,' 7' /0' A.+$.-=2' 9; K2' * ' 3.<,' 0.-,4, 2' 0/-' *,' .6' *1,2' /' 7,' 0.*-' 8* =' 47,-,' ,* 7,-' 7,2' /-' 7*6' * $6 -*/$6' 0.7,-' 3,0/*C,' 7*12' 7.<2' 0/-' 1/-,' 7.+' 7.0' .' 8,+ $-=2' 3,,+' 7,' ' /36,-#,< /0' . ' /36,-#,-6 L' *6' B/$-+,=' /' ' $+,=' ,. 7' Y<$-*+?' 47*,7' 7*6' 57=6*8*.+' '*-' F. ,-' .-@$7.-2' 4.6' 7*6' 8/15.+*/+Y /88$5*,< 7-,,' <.=6' ' ,.<*+?2' /+' -*<.=' 7,' 9 72' 7,' 4.6' 4, ' ,+/$?7' /' .<1*' /0' '*-' F. ,-06' @$* *+?' 7*1' 0/-' .' $+,2' 0/-' 7,' 5$-5/6,' /0' 5.=*+?' .' #*6*' /' /-< &. 1,63$-=2' . ' .-M' .8,2' +,.-' ,+ ,=I' 7,' .--.+?,1,+' 3,*+?' 7. ' 7,' 4.6' /' -,B/*+' 7*6' 5. *,+' . ' ' . ' * ' ' 7*6' *1,EY' .6' '*-' F. ,-' / < /-< &. 1,63$-=Y &-' * ' 7.< 3,8/1,' 6/' ,1.8*. ,< .6' /' -,+<,-' 7*1' 68.-8, =' -,8/?G +*6.3 ,2' .+< 4.6' / 7,-4*6,' *+' 6/' 5-,8.-*/$6' .' 6 . ,' 7. ' +/ 7*+?' 3$' '8/15, ,' .+< ,+ ** ,' -,6'C' 8/$ < 6.#,' 7*6' *0,B' +' ' . $-<.=' 7,' 99 7' 7,' .--*#,< . ' $ +,=' ,. 72' 47,-,' 7,' 4.6' -,8,*#,< 3=' 7*6' +*,8,' .<=' ,6 ,-' ' .+G 7/5,2' /+' 47/6,' 1*+< 7,' 6*?7' /0' 7*6' 4.6 ,< 0-.1,' .+< 7,' 6/$+< /0' 7*6' 7/ /4' #/*8,' 6,,1' /' 7.#,' *15-,66,<

I' *.% -*1)(+,3# "0,'(0' "--'<(%' "<'+'! !'
-' (./' *%;,#68.73# "*.",#'<(%' "<'++'!'!L'
-' (#,3# "*.",#'<(%' ""'+' !L
Z' "0,'(0' E"%6,.0(.:,'<(%' """'+' L
' (./' *%;,#68.73# "*.",#'<(%' "<'+'!L

,' ? //1,6' 8/+#*8*/+6' 6' *,' -.#,-6,<' 7,' 5.66.?,' 47*87' ,<' /' 7*6' 3,<87.13,-2' 7,' 8. ,<' 7,-' . ,+*/+' /' .' 1.5' /0' $-/5,' 47*87' 7$+?' $+0/ <,<' </4+' 7,' 4. ' / ' $5' 7. ' 1.52L' .-,' 6.*<' /' 7.#,' 3,,+' 7*6' 1/$-+G 0$ <*-,8*/+6' /' 7,-I' *' 4*' +/' 3,' 4.+ ,<' 7,6,' ,+' =,.-6 L'),' ' $-?,6' /$-+,2' 47/' #*6* ,<' 7*1' /+' 7,' 0/ /4*+?' <.=2' '$+<.=2' 7/$?7' 7*1' ,66' . ,-,<' *+' .B 0 5,.-.+8,' 7.+' 7,' 7.<' ,N5,8 ,<2' *+' .<<**/+' /' 47*87' /8/-6' .* *,' .+<' ,=+/ <6Y 47/6,' 5-/0,66*/+.' . ,+<G .+8,' 4,-,' 8. ,<' *+' $5/5' 7.' <.=Y+/' /+ =' 8/+6*<,-,< 7,' 87.+8,6' /0' -,8/#,-=' /' 3,' *+' 7*6' 0.#/$-2' 3$' ?.#,' *' .6' 7,*-' /5*+*/+' 7.2' 67/$<' 7*6' 8/15.*+' .M,' +/' $+G 0.#/$-.3,' $-+2' 7,' 1*?7' 3,' .3,' /' . ,+<' /' 3$6*+,66' *+' .3/$' .' 1/+7 0' * ' 7*16,02' /+' 7*6' <.=2' 4-* ,6' /' /-<' F, ,6 ,=Y ' .1' -,8/#,-*+?' -. 7,-' 6/4=' 0-/12' .' 6,-*,6' /0' 6/1.8708/15.*+62' 0/ /4,<' 3=' 6,#,-,' . .8M6' /0' ?/$ I' 3$' ' 3,*,#,' ' .1' +/4' *+' 7,' 4.=' /0' -,.' .1,+<1,+ L'A' ' C

+' 7,' 0/ /4*+?' <.=2' '$+<.=' 7,' 9 72' 7,' 4.6' 3, ,-2' .+<' 7,' +,N' <.=2' &/+<.=2' 4.6' .3,' /' .M,' .+' .*-1?' *+' 7*6' 8.--*.?,2' .6' 4,' .6' /' -,8,*#,' #*6*' 6' 0-/1' /-<6' (.6 ,-,.?7' .+<' .4M,63$-=2' 47/1' 7,' .<1* ,<' 6,5.G -. ,=2' 0/-' .' 67/-' *1,' ,.872' /' 7*6' 6*8M087.13,-' 7,' ,N8* ,1,+2' 7/4,#,-2' 47*87' **,6,' *+ ,-#*,46' 5-/<$8,<2' .55,.-6' /' 7.#,' 7.<' .+' *+B$-*/$6' ,00,8' $5/+' 7*6' 6=6G ,1' /' 7*6' /<' $/-' .+<' 6,8-, .-=2' 7,' *67/5' /0' *+8/+2' 7,' /36,-#,<' .0 ,-' 7,' 4/' /-<6' 4,-,' ?/+,Y ' ' 0,,' 6/1, 7*+?' 7,-,2L' 5$ *+?' 7*6' 7.+<' /+' 7*6' 6/1.872

▫

[' C' ' /.,*/' =*# -),' -";' ,' *1/' ;(.,' /.,*/08%-),' (;,1
E),1'-),' 6.*<,' (1' *.,12(' %*7' #%*82)-,.,/' '1' <*"1
1/' 6,)(%/"12' 6.(*/' 8.("=' 6(=,/' /(=1' 67'),.' 0(,;,1
' ' ' ' 3 ' ' / &' ' ' >
' ' ' $ ' ' ' 2 9' ; ' ' '
' 4 3 ' ' ' ' U

".' E*%-,.3# %"1,# =(8%/' #,,;' -(' 6(' ;8:)' ;(.,' *++%",*6%(' -(' 8#-,.%"-V' -)*1' -(' *.,12(' 0')(')*/' 1,<,.')-,*./' -),' *1,,/(-(' (0' "--' /".,:-"12' -),' ;' ;*+' -(' 6(' /.*=1' 8+' -),' :("1:"/,1:,'"# *' :"8"(1# (1,' -' (#,B# "*."#' J(%' "" ' +' # *.% -*1)(+,B# "0,' (0' "--' <(%' "<' +' ! U' ? (#,3# "*."#' <()' "" ' +'

7. -,1*+<6 1, +,#,-67. -,8/#,-+/8/<7$.?,+,-.?*#*+?4.=L

,#,-7, ,66/+7,0/ /4*+?<.=7,9_7 7,4.6 .?.*+0.3, /.M,.<-*#,*+7*6 8.--*.?,.+< .6/ /-,8,*#,#*6* 6 0-/1 7*6 3-/7,-/-< (7.7.1 .+< 0-/1 /-< F, ,6 ,=7,. ,-/0 47/1 7.<-,8,+ =.--*#,<*+ +?.+</+7, ,-1*+. */+ /0 7*6 3-* *.+?/#,-+1,+ *+ +<*. /-< F, ,6 ,=.88/-<*+? /7*6/4+*+ ,-,6*+?0 .88/$+/0 7,*-*+ ,-#*,4 4.6 ?-,, ,< 3= 7,*+#. *< 4*7 **6 6.M*+<+,66 .+< ?//<07$1/$-/ /-< F, ,6 ,=& -* 0 $+<,-6 .+<*+? .55,.-,< /3,.6 #*?/-/$6 .+< 8,.-.6 ,#,-, 4.6 +/ /+=87,,-0$ 3$ 7*6 65*-*6 6,,1,< /3,.6 7*?7 .6 7*6 0-*,+< 7.< ,#,- M+/4+ 7,1 1/+?6/7,-/5*862L 4-* ,6 /-< F, ,6 ,=7,/<1,4*7 ?-,,.M*+<+,66 .+< 0,,*+?7. 6*+8,7,7.<',,+1,7,7.<3,,+7.55=/3,8/1,.8@$.*+ ,<4*7 1=3-/7,- 7$-2T RE7/1 7,65/M,*+7,4.-1,6 ,-16 /0 8/11,+<./+ ,6.*<2YP +,#,-1,.+=1**.-=/00*8,-4*7 47/1**4.6 6/6.*6G 0.8/-=/8/+#,-6, ,6.,6 ,#,-=<*00*8$ =3,0/-,7,$+<,-.M,6.+=6,-#*8,3$+/+,.0,-7,7.6 $+<,-.M,+ *CL),/-< F, ,6 ,=@$* ,< $+,=4*7.7,.#=7,.- / #6-*76 .+<*+? &-* 0 M*+<+,66 .+< 87,,-G 0$+,662L 7,4-* ,62 6.4 7. 7,7.+< /0 <,.7 4.6 0*N,<$5/+7*1 7*6 1, .+87/=-$7 4.6 +/M+/4+ +/-3, *,#,<3=,*7,e7*6 0-*,+<6 /-/55/+,+6L2 * 2 *.55,.-62 7.<0.*+ ,< .4.=3,0/=, /-< F, ,6 ,= ,0 7,-//1 [D

7,C+,N D<.=2 F,<+,6<.= 7, 9W 72 * 5.-,< D0/- 7, .6 *1, 4*7 .+/7,-/<0-*,+<2 47/6, ?//<

E9

I (./ *%;,#61.73# "*.",#<(%."7'+ L!B3 A#,3# "*.",#<(%""'++ !'K -. "--*/."5:-),'%*-,' 8@,'(0 E,%%"12-(1'-%":1 ".' -%"1.' E"%%:#%,<'"1'-)(' +.,<"(8# ;(8-)'(0 (<,;6,.'*-' (./ *;/(1"# #:?"-' E"%/(+),## *.@'"1' ,1-' ,,' (./ -*1)(+,3#<,.7 1-,,#-"12 M (-,#(0 (1<,.#*-"61'="-%"-)(' 8@,'(0 E(%%"12%(1' *-' E*%.*,.' :-(6,.'B L-N"' ! 3"1')"# M "0,'(0 "--3<(%'"<'+'!U ' -' H8*.-,.%7 ,<",='<:/' <""'+qU ' B Z8 (./ 8%;:#68"78# "*.79+'<(%'"<'+'!L!

@$. * *,6 7,' 3.< .55-,8*. ,< 0/-' +, .- =' .' @$.- ,-' /0 .' 8,+ $*0=Y -,/-?,' /6,' F7,+' 7,' . ,-' -,.87,< $ +,=' ,. 7 /+' 7. ' <.=2 +/ ' /+ =' 4,-,' 7,' .88/$+ 6 47*87 7,' -,8,*#,< 1$87 1/-,' $+0.#/$-.3 ,' 7.+' 7,' 7.< 3,,+' ,< /' ,N5,8 2 7$ ' &-' * ' 4.6 *+' .' 6 . ,' 47*87 2 *+' 7,' /5*+*/+' /0 '*-' F . ,-' .-@$7.-2 -,+<,-,< * ' $+.<#*60 .3 ,' 0/-' 7*1' /' 6,,' 7*6 5/ * *8. ' 0-*,+<6 0/-' 7,' 5-,6,+ ' 88/-<*+? =' * ' 4.6 +/ ' * ' 7,' ,#,+*+?' 7. ' /6,' 4.6 .<1* ,< /' 7,' 6*8M087.13,-' /0 7,' 6$00,-*+?' -,1*,-' 7,-, Y+/ ' *+' 7,' 3,.$ *0$ ' 6$3$-3.+' 1.+6*/+2 47*87 7,' 7.< /+8,' <, *?7 ,< /' 8. ' 7*6 /4+ Y3$ ' *+' .' 7*-,< -/.<G 6*<,' #*H.2 *+' .+' .5.- 1,+' 0.8*+?' 7,' 5. . *. ' /<?,' 47,-,' <<*+? /+' 4.6 <,6 *+,<2 0/-' +, .- =' 0/- =' =, .-6 /' 8/1,2 /' ,+B/=' ,.6,2 /5$,+8,2 .+< <*?+* =2 .=' Y'7. 00 7-/M,+07,.- ,8 2 <, ,5 =' *+ '<,3 2 .+< <=*+?' 4* 7/$ ' .' * ,' /' **6 +. 1,2 /-' .' 6 .-' ? * ,-*+?' $5/+' 7*6 <-,66*+?0 .3 , Y' 7,' ?-, . ' 6 . ,61.+20 47/2 <1 *+?0 .' 5,-*/< /0 +*+, , ,+' =, .-62 *.< 4*, <,< .' 5/4,-' 1/-,' .36/ $,' 7.+' 7.<0 3, ,+' ,+B/=,< 3=' .+=' -* *67 &*+*6 ,-' *+' 1/<,-+' *1,6 ' //-' * 2L' .0 ,-4.-<6 4-/ ,' F* 3,-'0/-8,2 9 . 1/6 ' 3, *,#,2 <*,< /0 .' 3-/M,+' 7, .- I 0/-' * ' *6 /+ =' <$,' /' 7*1 ' /' <,8 .-,' 7. ' 7,' /#,' 0/0 7*6 8/$+ -=' 3$-+,< *+' 7*1 ' 4* 7 .6 .-<,+' .' 0 .1,' .6 ,#,-' 4.-1,< 7,' 7$1.+' 3/6/12 .+< 7,' .88/$+ 6 0-/1' 7,' .-1*,6 6 -$8M .' <,. 70 6 3/4' 4* 7*+' ' 3-/M,+' 7, .- S' F7. T' F.6 7,' *M,' 4.=2 /-' (/ *+62 /-' 7. ,- /+2 47/' 7.< +/ ' 6/' 1$87 .6 .' +,,<0$ ' 8/15,1,+' /0 0//< /' 6$6 .*+' 7,*-' 3/<*,62 47* ,' **,' 8/+68*/$6+,660/0 $+-,4.-<,< . ,+ 62 /0 1/-G *0*,< 5-*<,2 5-,66,< /+' 7,1' 4* 7*+2 .+< . ,' /$ 0 7,*-

I' (%=(((/ ' "1' ,*-F= ":)' .' "--3#"+,:81"*.7/"0"":8%-":#)*/':(;+,%%,/')";'-(#,R3 =),1')','A8"--,/' (00":,'"8' % C (' + #(1 D' =."-,# (./' E,%%(#E7' C)*/*' ;(.' ,>A8"#"-,'#,1#,'(0' -%?,'6,*8-",# (0' -"0(' :(81-.7' ^ ,' -((@' -),'2.,*-,#-' /,%"2)-' "1')"# .,#"/,1:,' *-' R(%=(((/' =)":)',' ,1%*.2,/' *1/' ";+.(<,/' "-' ;*79)(' -.8%7' #*"/' ="-)' /# (=1')*1/#' 0-,1')*<,' '#,,1')";' =(.@"12' "1')"# =(((/# *"/'2*./,1# ="-)')"# %*6(8.,.# 0(.' =)(%,' /*7# -(28-)-%' 81/,.2("12':(1#"/,.*6%,' 0*-"28,' *8/' ="-)'#(' ;1("" ,""2,.8(## *1/' *##"/8"-7' -)(-' 7(8' =(8%/'#8++(#,')(' (8%-%<*%"(8' (0')"# <"%%*' -(')','-),' +."1:"+*%' (::8+*-"(1' (0 /# %"0,P4 ,--,.' -(' %.' .(@,.' ' (<' +! ' N3 9' $' <(%' <""' +' B ' 6) $'

,#,+*+?' /0' 7.'<.=2'.++/$+8,<'7.'7*6'6=15/16'4,-,'
$+5-/1*6*+?'.+<'7*6'6*$.*/+'7.>.-</$6TC'7,',N5,8,<'
<*66/$*/+'/0'.'6.,61.+2'47/'7.<'5.=,<'6/'5-/1*+,+'
.'5.-'/+'7,'7,.-,'/0'7,'4/-<'.6'*'7.<</+,28/$<'
68.-8,=20.*'/'8-,.,'.'5.*+0$'.6'4,'.6',N-./-<*+.-='
6,+6.*/+''/'/+,2L'4-*,6'/-+,-27*6'<.=20-51'7,'
?.,-='/0'7,'/$6,'/0'(/11/+62'',#,+'4**.'7*6'
5.-='.+*5.7*,62'/-'4*7'.'7*6'-,6,+1,+'0/-'7,'1*60'
87*,0,'47*87'7.#,'3,,+'3-/$?7'$5/+2'7,'8/$+-=28.+'
7,'*+6,+6*3,'/'7,'<,.7'50'6/',1*+,+'.'1.+E'+'7,'
5.8,'47,-,''.1'6**+?'+/42'0,,'7*6'1/-,'7.+'6,,16'
@$*,'-,.6/+.3,'/'1=6,0''8.++/'0/-?,'7/4'7*6'
65.8,'7.6'3,,+'0*,<'4*7'7*6'1.?+*0*8,+'.+<?/4G
+?'<,8.1./+620/-'-,0,8'=<7'8/15/6$-,E'7.'7.'
0*+,'*+6-$1,+'/0'6/$+<*6'5-/3.3='N*+?$*67,<0/-'
,#,-L'0
2'+'7,'1/-+*+?'/0'F,<+,6<.=27,2'+<Y7,'<.='.0,-'
7,'-,.66,13*+?'/0'.-7.1,EY.'1,,*+?'/0'7,',.<,-6'
/0'7,'55/6**/+'//MC5.8,'.'/N06'7/$6,20/-'7,'5$-5/6,'
/0'.--.+?*+?'7,'*+,+<,<'.8M6'*+'3/7'/$6,62'/+'7,'
0/-,*?+'5/*8='/0'&*+*6,-6'|'7,'/$6,'/0'/-<62'.+'
.1,+<1,+'*B/'7,'<<-,66'/'7@7*C/+,'4.6'/'7.#,'3,,+'
1/#a<='.-'(/45,-2.+<'*+'7,'/$6,'/0'(/11/+63='7,'
.,'&.-@$*6'50'.+6</'4+,27,+'/-<,+-BE',='+'*06'
5-,6,+'6.,27/4,#,-2.+='#*/,+'7/6*B,'5.-='<,1/+0'
6-.*/**2.'*,'/5,+*+?'/0'7,'5.-*.1,+.-='8.15.*?+2'
4/$<8,.-='7.#,'3,,+',N8,5*/+.3,I'.+<.88/-<*+?='
/-<-,+#*,'.+<'/N'6,#,-.=2'*+'0,,7+?'.+?$.?,2'
<,5-,8.,<.0+='.8M'0*,*+?'1.2<5K+'7,'5-/6-.,<&*+*6G
,-'E/N,65,8*.=247*,'.$<*+?'/'A7,2..-1*+?'6.,'
/0'7*6'<*6*+?$*67,<-*#.24.6'6,+6*7B='.00,8,<''9'
'6''7,'6.*<2E$''J''A

[(#(B#"*.",#'<(%'""'+''"-'"0,'(0'(.1,.'<(%'"'+'!L
'*6'(0'%(.8(.'<(%'"'+''?(./'*:*8%*73#"(2.*+)",#'++''!

7.+<6 4* 72 7, $ 1/6 0,-#/$- .+< <,#/ */+207, .<<,<C
,157. *8. =IY 7-/4 1=6, 0 $5/+ 7, 1,-8=
/0 /<2C7-/$?7 7, 1,-* 6 /0 (7-*6 TL `7,+204* 7
7*6 7.+<6 6 * 8 .65,< /?, 7,-2B/*+,< 4* 7*-*$87 ,.-+,6G
+,66 4* 7 7, *67/5*+5-.=,- 2 2
7, 8 /6*+? 68,+, /0 7, * $6-*/$6 6 . ,61.+ *6
7$6 5. 7, *8. =<,68-*3,<3=7*6 +,57,42 &- ' .+*/5,
0 0/1 RF,<+,6<.=C1/-+*+? fA.+$.-= E+<X2 <*< +/
a.=` 7*6 -//12 ,N8,5 0/- . 0,4 1*+$,62 * * *, *1,
/027*6 <,. 72 7/$?7 <*< +/ . /4 7*1 /6,, 1,f .6
0, 1=6, 0 $+,@$. C7X 7, <-,.<0$ 68,+, /0 5.- *+?
4* 7 7*12 .+< 0,.-,<Y. */$?7 7, 4.6 E*#,+ /#,-0Y
7. 7, ,N,-*/+ /+ 7*6 5.- 1*?7 7.6 ,+ 7, <-,.<0$
,#,+ 47*8700+/4 .55,.-,<*+, #* .7 , ,6 ,- .55*,<
0/- ,.#, 2 /6, 7*12 47*87 4.6 -,0$6,< .M*+?2 7/40
," ,-2 7, /55/- $+* =/0 '*- F. ,-63,*+? . <*++,-2 67,
4,+ *+ /&-B * 6-//1f 7/$?7 ,#,+ 7, +4.+<,-*+?
. * ,2 7, *1 1,<*. , =-,8/ ,8 ,< 7,-2 .+<2 4* 707*6
6. .+?, *8 1* <+,6620 4*67,< 7,-0$ $-, 7.55*+,662 .+<
?.#, 7,- . 1/6 6/ ,*++3 ,66*+? .+< .00,8*/+. , 0.-,4,
+ 7,- ,.#*+? 7, -//1 , +,-,< *2 .+< 0/- 6/1, *1,
.0 ,-4.-<6 &- * 8/+*+$,< /65,.M /07,-2 .+< 6,#,-.
*1,6-,5,. a<EP ,.-6/$2 M+/4 67 /#,6 1,(F7,-,
*6 ,6 ,- S 6 ,6 ,- ?/+, SC
D + 7, ,#,+*+? '*- F. ,- ?.#, 7*1 6/1, 87.10
B5.?+,2 *+ 7/5,6 /0 M,,5*5? $5 0/- . *1, 7*6 4.6*+?
.+< 6$3<$,< 6-,+? 7f .+< .6 &- * 6,,1,< /0,,
5.*+ *+ 64. /04*+? *2 /4*+? / 7, 7-$67 *+ 7*6 7-/.
'*- F. ,- 6.*<2P . 1 6/--= '*-2 / ?*#, =/$ 5.*+
7/ .M, * $+M*+< C &- * 2 4* 7 7. 1* <+,66 47*87
.</-+,< 7*6 5-*#. , *0,2 -,5 *,<YP +,#,- .M, .+= 7*+?
$+M*+< 7. *6 1,.+ 0/- 1= ?//<C 7-,, /08/8M

["00(./3# "0,' (0 "--' <(%' <"' ++' ?0.(;' "10(.;*-"(1'08.1"#),/' 67 -),'
"#)(+ (0 "1:(%1' (#,3# "*.",#' <(%' "" ' ++' ! ' ! ' *..*-"<,' (0 -)(' (1' '
' -*1)(x", ' "1' *.% -*1)(+,3# "0,' (0 "--' <(%' "<' ++' ! ' !

3$ L E 0 7, *67/5 /0 *+8/ + / < /-< '*<-+/$ 7 *p &-2 * 7.<3,,+2<, ***/$6<$-*+?7, .6 7*- =06*NC7 $-6 /0 7*6 ,N*6 ,+8, L0 7 .?, /0 0/- =06*N 2E6.*< '*- F. ,- .-@$7.- /0 /-< &. 1,63$-=2 *, <*,< /0 / < .?, .6 1$87 .6*0 7, 7.<3, ,+!+*+, =LA

&-E * ,N5*-,< /+ 7, -< /0 A.+$.-=2 9; K2 3,*+? 7, 4,+ =00*0 7 .++*#,-6.-=2 .6 7*6 3*/?-.57,- *0/-< 5/*+ 6 /$20 /0 7, <.= /+ 47*87 7, 7.<00*-6 .M,+ 7*6 6,. *+ 7, /$6, /0 (/11/+62[7$6 7, 6.1, <.= 1**= 3, 6.*< / 7.#, 8/11,+8,< .+< / 7.#, ,-1*+. ,< 7*6 1,1/-.3 5$3*8 8.-,,- 7, /$6, /0 (/11/+6C7/+G /$-,< **6C 1,1/-= 4* 7 p 5$3*8 0$+,-. 2 .+< #/ ,< 7, 6$1 /0 0/- = 7/$6.+< 5/$+<6 0/- E7a 5.=1,+ /0 7*6 <,3 6 2 T

+ 7, 7 .+< 96 /0 ,3-$.-= 7, -,1.*+6 /0 7, . , &*+*6 ,-2 .= *+ 6 . , *+ 7, .*+ ,< (7.13,- . F,6 1*+6 ,-2 0.1/$6 *+ +?*67 7*6 /-= 0-/1 7, <.= 47,+ <4.-< 7, (/+0,66/- <*,< 4* 7*+ * 6 4. 62 / 7. /+ 47*87 7, 3/<= /0 7, ?-,. R(7.7.1 7.<-,6 ,< 7,-, /+ * 6 4.= / 7, +,*?73/$-*+? 33,= 7, 5. /#,- 7, 8/00*+ 4.6 6$55/- ,<3= 7, -873*67/5 /0 (.+ ,-3$-= .+< 3= 7, $M,6 /0 ,.$0/-2 /- .+<2 .+< &/+-/6,I 7, '5,.M,- /0 7, /$6, /0 (/+/1/+62 7, /-<C&.=/-

I UF@ -*1)(+,B# "0,(0 "--<(%"<'+!) ,/7"12 =(./#B(0 .' "--' "1 =@":%),"#*"/-(')*<,*+(#-.(+%"#,/')"# :(81-"7 ,>:"-,/'#(;,"1-,.,#-**-),-",';,' *1/')*<,'(::*#"(1,/';8:)/"#:8##"(1#"1:,' C -=*# *##,.-,/D=."-,# (./' *:*8%*7' "1';*17*0%,.F%"11,.'#+,,:),#' .86 -.,,-,%,2",#'*1/'*:*/,1+:+."f,'+(,;#7-%5*-%",' 2.,*- "1"#-,.'/",/',>:%*";7:(81-.7'3)"#"#*0*6%,'b 68-"-"#-.8,-)*-' -),'%*#-=(./#=)":)'%",'8--,.,/'=)"%,'),'@1,='=)*-),'#*"/'=,.,'6.(@,1:>:%*;*-"(1# *6(8-),'*%*.;'12#-*-,'(0+86%":*00*".#.34 6 7 /+! ,-"-=(8%/'#,,;' *%;(#-81A8,#-"(1*6%,'-)*-<,.7#)(.-%7 6,0(.,')"#/"##(%8-"(1'),'8--,.,/'-),'=(./# =)":)' .'-*1%"(+,')*#+8-"1-(')"# ;(8-)'(.'*-%,*#-=(./#7,.79+,*.%7..,#,;6%12 -),;' C 6(8-)*%0*1)(8.7 6,0(.,'),'6.,*-),/')"# %*#-D=."-,# (#,'C-),'#,.<*1-),*./')";F#*7 M 7:(81-.7')';7:(81-.7'3D4 6 @'C /*<(%'"'"'+' !!' %".,','/*7#*0-,.' .' "--3# /,*-)' ".'E*%-,.' *.A8)*.'-(%/' */7')%*%;,+68.7-)*-' -),'%*#-=(./#=)":)' .' "--')*/'#+(@,1'=,., 4C)'=)*-'-";,#')';7:(81-.7'D K '& 'C /*<(%'"<'+'!LU' ,,' *%#(' -%",'' :' 6 '0(.' ' +' !' -' (./' (%:),#-,.3# "*.",#'<(%'"'"'+' I -' (./' *%;,#68.73# "*.",#'<(%'"<'+'!LU Z "00(./3# "0,(0 "--'<(%'<"?+'

.#*+?' 0/-1. =' 5-/8 .*1,< 7,' * ,6' /0' 7,' <,8,.6,<2' 7,' 7,-. < 5-/+/$+8,< /#,-' 7,' ?-.#,' 7,' .55.-,+ =' #/ $+ ,,-2' 3$'+/'$+1,-* ,<2' ,$ /?*$1' Y

C' (1'#"6" :/'+*-."; '<">"- 4 D' I

.+< 4* 7' 7,6,' 4/-<6' 8 /6,< 7,' 1,1/-.3 ,' 8,-,1/+= 7,'B+,46' /0' &-' * 06' <,. 7' 4.6' -,8,*#,< 3=' <*A ,-,+' 5,-6/+6' 4* 7' #,-=' <*00,-,+'6,+6. */+6' *6' .<1*-,-6' 6.4' *+' 7,' ,#,+' 7,' -$*+' /0' 7,*-' 8/$+ -=2' 47* ,' 7,' 55/G 6**/+2' /+' 7,' / 7,-' 7.+<2' 3,?.+' /' ,+ ,- .*+' 7/5,6' /0' -, $-+*+?' 5,.8,' .+<' 5-/65,-* =' ,-6/+. =2' +/'/+ =' /N' 7$' /-< --,+#* ,Y 4* 7' 47/1' * ' . ' 7,' *1,' /0' 7*6' <,. 7' .55,.-6' +/' /' 7.#,' 3,,+' /+' 65,. <+?' ,-16' Y 4,-,'?-,. =' .00,8 ,< 3=' 7,' ,#,+ I' /-< F, ,6 ,=' *+0/-1*+?' $6' 7.' 47,+' 7,' 4.-+,< 7,' . ,-' /0' 7,' .55-/.87*+?' <*66/ $*/+' /0' 7*6' -, . *#,' .+<-*#. 2' 7,'3-/M,' *+ /' '.+' .?/+=' /0' ,.-6 L'0' &-' F*8M7.1' . 6/' F-*,6' /' '5,.M,-' 33/' 7.' 7,' 7.< ,0' 3/ 7' /-< .+< .<=' --,+#* ,' *+' .6' ?-,.' <*6 -,66' .6' 7,' '8/$< 4, ' 8/+8,*#,' 4/' 5,-6/+6' /' 7.#,' 3,,+' /+' .+=' /88.6*/+ L'2' ,-7.56' 7,'5,-6/+' 47/' -,8,*#,< 7,'+,46'*+' 7,'1/6'87.-.8 ,-*6 *8' 1.++,-' 4.6' * 06' / <8/ ,.?$,'.+<,+,1=' /-< 7$- /42' /' 47/1' *' 4.6' 8/11$+*8. ,<2' 47* ,' 7,' 4.6' ,N.1*+*+? 7,' /4+ ,=' &.-3 ,6' .' 7,' -* *67' &$6,$1' ' '<00000 < ?//< 7.+<. ' $-+*+?'.'5,-*/<TLY 4.6' 7,'3* ,-'.+</+ =' -,1.-M' 47*87' *' , *8* ,< 0-/1'7*1 [' ,0/-,' 7,' .$ $1+' 7.< 0.-' .<#.+8,<2' 7$- /4' 7*16, 0' .=' /+' 7*6' <,. 73,<

KI' 118*%' ,2"#-,.'0(.' '+'! L' 0' H8*.-,.%7' ,<",='<(%' <""'+'U
g' (.g%' (%:),#-,.B#' "*."',#'<(%'"'+'!
' Z' (./' *;+6:".#' "<,#(0'-),' 6*8:,%%(5B '<(%'<'+' UU

(' %

), " "123# 0, ,%"12# (1' . , : ,"<"12' -) ,' 1, =# (0' "--3# / , *-)' 4 ' (. /' . ,1<"%%,' #8, : , , /# "1' 0(. ; "12' *1' / ; "1"#-. *-"(1 4 ". #-' "1-, .<", =' 6, -=, , 1' -) ,' "12' *1 /' (>' (1' -) ,' %*--, .' 6, : (; "12' , :. , -*. 7' (0' -*-, ' 4 ') ,".' #86 A8, 8-' #*-"#0*: -(. 7' "1-, . : (8. #, ' 4 , -". , ; , 1-' (0' (. /' %/ (1' 0. (; ' (00": , 4 1, : / (-, # (0' (. /') 8. %(= 4 "# / , *-) 4 *#-' "%%1, ## *1 /' / , *-)' (0' (> 4) ,' "12' . , 2. , -#) "# %(##

' /' .00, 8 , < 4 . 6' *, ' *+?' 3=' 3, ' </. 3' /0' 3, ' ?-, . ' &*+*6 , -' 47/' 3. < 6, -#, < 7*1' 6/' /+?' .+< 6/' 0. * 70$ =2' 7. ' * ' 4 . 6' +/ ' * ' .0 , -' 4/' <. =6' 3. <' , .56, < 3. ' 3, ' !"#' $' 8/$ <' , * 7, -' 3, . -' /' 65, . M' /0' 3, ' , #, + 2' <-' 8/+6, + , <' /' . <1*' 3*6' &*+*6 , -6' /' 3*6' 5-, 6, +8, ' 7, ' 6 /-+*=' 6 . , ' /0' 7, ' 5/ * *8. ' 7/-*>/+2' 3/ 7' . ' 7/1, ' .+< .3-/. <2' +, 8, 6G 6. -* =' *+8-, . 6, < 3, ' <*6 -, 66' /0' 3, ' =*?' ' 3, ' , 00, 8' /** 7, ' *+?06' 1*+<LY 4-* , 6' /-<' , + , = Y .+<' 3, ' , +0' 3. --. 66 1 , + 6' *+ /' 47*87' **6' , #, +' 1$6' 5 $+?, ' 7*12' ' ?-, . =' 0, . - L0' F* *+? =' 7, ' *+?' 4/$ <' 7. #, ' -, .*+, <' 7*6' 5-, 6, +' &*+*6 , -6' *+' 5/4, - Y5 .8*+?' /-<' '*<1/$ 3' . ' 7, *-' 7, . < Y03$ 2' .6' 3, ' .0 , -4 . -<6' . <1* , <' /' /6, 2' 7, ' 7. <' 0/$+<' 0-/1' , N5, -*, +8, L' 7. ' 7*6' 0/-1 , -' 0. #/$-* , ' 6, -#. +' 4 . 6' $+, @$. ' /' 7, ' ?/#, -+1 , +' /0' 7, ' 8/$+ -=' A' H+<, -' 7, 6, ' 8*-8$16 . +8, 6' 7, ' .55 *, <' /' /-<' . 4M, 60' 3$-=' /' 0/-1' . +' <1*+*6 -. */+' 7. ' . 1*. 3 , ' 6 . , 6G 1 . +2' 7/4, #, -2' 6. *60*, <' 4* 7' . #. * *+?' 7*16, 0' /0' 7*6' /55/- $+* =' /0' 6, 8$-*+?' 0/-' 7*16, 0' 7, ' $8-. *#, ' 5/6

[' (. /' (%:), #-, . 3# "*<", #' <(%' "" ' +' ! '
-' 8: @%*1/' (. . , #+(8/, 1, , ' <(%' "<' +' L' -' (#, 3# "*. ", #' <(%' "" ' +' L

/0 /-< F .-<,+ /0 7, (*+@$, /- 62 4*6, = <,8 *+,< .+ ,15 /=1,+ 2 7, <*00*8$ *,6 .+< 7.-.66 /0 47*87 ,#,+ * 7.< 67/4+ 7*16, 0*1,@$. /8/+0-/+

/-< .4M,67$-=G -,0$6. /0 7, -,1*,-67*5 ,0 7, E + ? +/ / 7,- /5 */+ 7$ /.55 = /+, /0 7, 4/ 5.-*,6 *+ 55/6**/+ 88/-<*+? =2 /+ '$+<.= 7, K 7 /0 A.+$.-=2 7, .- /0 .- 1/$ 72 3= 7, *+?G 8/11.+<62 4.* ,< $5/+ /-< -,+#* ,2 4* 7 7, *+ *G 1.*/+ 7.7*6 &.B,6 = -,@$*-,< 7*6 . ,+<.+8, . $8MG *+?7.1 /$6, /+ 7, 0/ /4*+? <.=2 0/- 7, 5$-5/6, /0 8/+6$ *+? 4* 7 7*1 /+ 7, 8/+6 -$8*/+ /0 . +,4 <1*+*6 -.*/+ .55* =2 7, .55/*+ ,< 1,, *+? 5.66,< /00 *+ 7, 1/6 6.*60.8 /-= 1.++,- 5/66*3, 4.6 /-< -,+#* ,G 6 -/+? 8/+#*8*/+2 .6 7, 5 .*+ = / < 7, *+?2 7. +/ <1*+*6 -.*/+ 8/$ < 3, ,* 7,- <$-.3 ,/- 6,-#*8,.3 , / 7, 8/*1 -= $+ ,66 * 8/+*5-,7,+<,< 7, ,.<*+? 6 . ,61,+ /0 . 5.-*,6I .8/+#*8*/+2 / 7, B$6*8, /0 47*87 7, *+? +/ /+ = ?-.8*/$6 = .66,+ ,<2 3$ 2 /+ /-< -,+#* ,0$- 7,-*+ *1. *+? 7. 7, 67/$ < 0,, * 7*6 <$ = /*+8 $<, .+< /.<#*6, 4* 7 &- /N /+ 7, 5-/5/6,< .--.+?,1,+ 62 7*6 &.B,6 = -,5 = 4.6 *+ 7, 7*?7,6 <,?-,, 6.*60.8 /*= 7/$?7 6/2L 7, 6.*<2 .+< 1,.+ * 6/L 7, *+? 7,+ ,N5-,66,< . 4*67 7. 7, +,8,66.-= .--.+?,1,+ 6 1*?7 3, 1.<, 3= F ,<+,6<.= 7, 72 /+ 47*87 <.= 7, 4/$ < 8/1,2 / /+</+ 0/- 7, 5$-5/6, /0 8/15 , *+? 7,1 2 /-< -,+G #* ,2 7/4,#,-2 7.#*+? /3B,8 ,< 7. 7, = 8/$ < 68.-8, = 3, 8/+8 $<,< 3= 6 , .- = . < . , Y 7,+2L 6.*< 7, *+?2 7, 6//+,- 7, 3, ,- 4* 8/1, / /4+ .+< 6 .= * * *6 </+, 7,-, .-, /3, +/ ,N8 $6*/+6 L 0

7$6 .-1,< 4* 7 7, .$ 7/-* = /0 7, *+?2 /-< -,+#* , 5-/8,,<,< /8/+6 -$8 .+ <1*+*6 -.*/+ /+

I (; , .3# , ; (".#'<(%'"'+'!! 118*% ,2"#-,.0(. '+' C 6(' "12 D = ."-,# (./' ""% ; (8-)'-(' (./'/(' 81#-*1<"%%,'C*8-)("#,/' (./' .,1<"%%,'-('0(.;'*1 /; "1"#-.*-"(1' *1/' "1#-*1-%7 =*"<,/' /# (65,:-"(1'-(' .' (>P4 (%%:=3# C ' 4'9 f'<(%'""'+'U L' 0' (./' (%:),#-,.3# "*."#'<(%'""'+'!

7,' 1/6' 8/15-,7,+6*#,' 3.6*6 7. ' .=' 4* 7*+' 7*6 -,.87f
0' 8/15-*6,< .' 0/$-0/ < B$+8 */+' 3, 4,,+' 7,' ' / <
55/6* */+2L' 47*87 -,8/?+*6,< /N .6 7,*-' 87*,0f 7,'
'+8 # 55/6* */+2L' 7,.<,< 3=' /-< -,+#* ,f 7,'61. '
3.+< <*6 *+?$*67,< .6 7,' -*+8,' /0 F. ,60 0-*,+<6l E
.+< 7,'5.- =' 47/' //M,< $5 /' /-< '*<1/$ 7 .6 7,*-'
,.<,-' 7,' -*+8,' /0 F. ,62L' 4-* ,6 /-< &. 1,6G
3$-=2 4,+' 1/6' 7,.- * =' .+< $+3,8/1*+? =' 4* 7 7,12
.+< /4,-,< 7*6 <*?+* =' 3=' 6/ *8* *+? /00*8,' .+< 5 .8,6 0/-'
7*6 <,5,+<,+ 62 .+< 3=' <,?-.<*+? 7*16, 0 *+ /' 7,' 6*>,'
/0 .' 8/11/+' 5.- =0 ,.<,-2L' ' 7,'1,13,-6 /0 7,'+,4'
(.3*+,' 8/+6*6 ,< /0 /-< -,+#* ,2 .6 *-6' /-< /0 7,'
-,.61=f /-< '*<1/$ 72 .6 /-< -*#=' ', . f /N2 .6
',8-, .-=' /0 ' . ,' 0/-' /-,*?+' 00.*-6f .-' '5,+8,-2
.6 ',8-, .-=' 0/-' 7,' /1,' ,5.- 1,+ l' F*+<7.12 .6
',8-, .-=' 0/-' F .-' .+< 7,' (/ /+*,6f .-' -,=2 7,+'
/-< /4*882 .6 *-6' /-< /0 7,' <1*-. =f /-<
&/*-.' .6 &.6,-0 ,+,-.' /0 7,' -<+.+8,f /-< ,+-='
, =2 .6 (7.+8, /-' /0 7,' N87,@E$,-' f .-' * >4* *.12
.6 -,6*<,+' /0 7,' (/$+8* f /-< -6M*+,2 .6 /-< (*.+0
8, /-f .+<2 *+' /-<,-' /' ?-. *0=' /-< '*<1/$ 72 /0 /-<
,+3/-/$?7 .6 /-< (7*,0A$6 *8,' 7,' -*+8,' /0 F. ,6
4.6 ?-. *0*,< 3=' 7*6 0-*,+< /-< &/*-. +/' /+ =' 3,*+?' .5G
5/*+ ,< /' 7,' -<+.+8,' .+< .<1* ,< *+ /' 7,' (.3*+, 2
3$' . 6/' 3,*+?' 6, ,8 ,< 0/-' 7,' 8/#, ,< 1** .-=' 5/6' /0
,$,+.+' /0 7,' /4,-' /0 /+</+' +/7,-' 0-,+< /0
7,' -*+8,2 '7,-*<.+2 4.6 +/1*+. ,< -,.6$-,-' /0 7,'
.#=f 7,' 5/6' /0 ',8-, .-=' /0 F'.-' 4.6 8/+0,--,< /+'
,+,-.' * >5. -*8Mf '*-' '.1$,' /1* =' 4.6 .55/*+ ,<
'/*8* /-0 ,+,-.

0 7,'+. $-,' /0 7,' *+?0 0,,*+?62 /+' 7.#*+?' 7*6 / <
,+,1=' /N .?.*+' 0/-8,< $5/+' 7*1' .6 7*6 &*+*6 ,-2 4,'
7.#,' 0/-$+. , =' .+' .88/$+' 0-/1' +/' ,66 #. $.3,' .+<
$ 8-,6+?' .+' .$ 7/-* =' 7.+' 7.' /0 7*6 &.B,6 =0 6,8/+<

<.$?7 ,-2 7,' -*+8,66 $?$6 . ' ' ' 7,'5,-*/< /0 &-'
/N06 -, $-+' /' 5/4,-2L' 4-* ,6 7,' -*+8,662 *+ -/<$8*+?'
7,-6, 0 *+' 7,' 7*-< 5,-6/+2 7,' *+?Y 7,+' *+' 0$ '
5/66,66*/+' /0 7*6 0.8$ *,6Y67/4,< 0/-' 6,#,-. ' <.=6 8/+G
6*<,-.3 ,' $+,.6*+,66 /0 1*+<' ' 8 /$< 6,,1,< /' /#,-G
7.+?' 7*6 65*-* 6' +' 7*6 -, $-+' /+,' <.=' 0* 1' /+</+'
7,' 8 /$< 4.6 ,#*<,+ =' -,1/#,<2 .+< 7*6 &.B,6 =2 /+'
,+ ,-*+?' 7,'-//1'47,-,' 7,'Q$,,+' .+< -*+8,66 $?$6 .'
4,-,2 6.*< 7,' 7.< +,46 /' , ' 7,1' P ' 7.#,' .M,+'
&-' /N 0/-' 1=' &*+*6 ,-2 .+< /+' 7,'47/ ,' .1'6. *60*,<
4*7' 7,' .--.+?,1,+ CL' ' F7,+' &-' /N2L' .<<,< 7,'
-*+8,662 /+' 7,' *+?06 .$ 7/-* =2 ' 8.1,'*+ /' 7,' 8 /6,'
0/-' 7,'0*-6 C*1,27*6 &.B,6 ='5$-5/6, ='1.<,'.'67/-'5.$6,2
.+< 7,+' 6.*<YP &-' /N2 ' * ,' 7/$?7' =/$.+< '
67/$ < ,#,-' 1,, ' .?.*+' *+' 7*6 5.8,' $' ' 7.#,' +/'
<,6*-,' /' //M 7.8M $BX/+' / < ?-*,#.+8,62 .+< =/$ 1.='
-,6' .66$-,< ' +,#,-'67. ' -,1*+< =/$ /0 7,1 C &-' /N
-,5*,<YP &=' <,,<62 .+< +/' 1=' 4/-<62 67. ' 8/11,+<
1,' /' =/$-' &.B,6 = CL

,*7,-' 4.6 /N 3,7*+<7.+< 4*7 7,' *+?' *+' ,+G
<,.#/$-*+?' /' 0/-?*#,' .+< 0/-?,' 7,'5.6 ' ' &-2 /N2L'
6.*< /-< '*<1/$ 72 '4.6 . 4.=6 5,8$*.-=' -,E,8 0$'
.+< 8/+8**. /-=' *+' 7*6 1.++,-' /4.-<6 7,' *+?2 .+<
1/6' .+N*/$6 /' .#/*<,#,-=' @$,6*/+'47*87 <*< +/' 7.-G
1/+*>,'4*7 7*6 &.B,6 =06 8/+68*,+*/$6 0,, *+?6 L0' 7/$?7
/N2 .6 7,' *+?' / < /-< </+2 7.< 8,-.*+ =' 3,,+'
0/-8,< $5/+' **1' .?.*+6' 7*6 4* 2 =,' 6/' 0.-' 4.6 7*6 +,4'
&*+*6 ,-' 0-/1' -,. *+?' 7*1' .6 *0 7,' 4.6 *+' 7*6 5/4,-2 7.'
7,' *+#.-*.3 =' 3,7.#,< /4.-<6 7*1' 4*7 7,' -,65,8' 47*87
4.6 7*6 <$,' ' &-' /N06 1.++,-2L' 7,' *+?' $6,< /' 6.=2
8/+-.6 ,< -,1.-M.3 =' 4*7 7.' /0 .+/ 7,-' /0 7*6 F7*?'
&*+*6 ,-62 47/2 47,+' 7,' 8.1,' *+ /' /00*8,2 4.M,< $5 /

[.(;'*' ; , ; ("B*1:%8 ;'2"<,1'67 '-),'%*-,' ."1:,## 128#-*'-(' *' 0.",1:)9
N3 U '+ $'<("' :<'+'U '
-' : ,=3# "0,'(0 (./' "B% ; (8-%"'<("' "" ' "B' U!

7*1 * 7, 4.= 7, 67/$ < 7.#, ,N5,8 ,< 0-/1 $/+.5.- , .0 ,- 7, 3. , /0 $6 ,- * > L 2

$- 7,- 8.$6,6 /0 7*6 *15-/#,< 6 . , /0 0,, *+? /0 7, *+? /4.-<6 /N 1.= 3, -.8,< / 7, <* *?,+8,2 5$+8G $. * =2 .+< . ,+ */+2 4* 7 47*87 7, +,4 ' ,8-, .-= 0/- /-,*?+ 00.*-6 8/+<$8 ,< 7, <$ *,6 /0 7*6 /00*8, 8G 8/-<*+? / /NG6 5-*#. , 6,8-, .-=2 A/7+ ,-+.-< -/ ,-Y *6 &.B,6 =2 47/ 4.6 . 4.=6 ,N -,1, = -,?$.- .+< 5$+8 $. *+ 7, <*687.-?, /0 7*6 /4+ 7*?7 <$ *,62 6.*< 7. 7, /00*8, 7.< +,#,- 3,,+ 8/+<$8 ,< *+ 6$87 . 1.++,- 3,0/-,2 .+< ,N5-,66,< 1$87 6. *60.8 */+ . &- /NG6 1/<, /0 </*+? 7, 3$6*+,66 7*6 ,6 *1/+= 4.6 7, 1/-, 6 -*M*+? .+< #. $.3 , .6 7*6 &.B,6 = +,#,- 8.$6,< <, .= 7*16, 0 *+ 7. <,5.- 1,+ 7, <,65. 87,6 -.+61* ,< /2 .+< .*< 3,0/-, 7*12 4,-, $+*0/-1 = -, $-+,< 4* 7 . 5$+8 $. * = <,6,-#*+? ,#,-= 5-.*6,2 4/- 7= /0 *1* . */+2 .+< 7*?7 = 3,8/1*+? 7, 0*-6 1.?*6 -. , /0 7, ' . , L0 ?.*+ -/ ,- 4-* ,6 Y -/1 7, *1, /0 &- /NG6 ,+G ,-*+? 7, (.3*+, 2 *+ 9; K2 * 7*6 * +,662 7*6 &.B,6 = 7.< +,#,- /88.6*/+ /,6 *0= <*6.55-/3. */+ F * 7 7*6 1/<, /0 8/+<$8 *+? .+,?/ *. */+ 7, 4.6 1$87 5 ,.6,< *6 <,65. 87,6 /3 .*+,<,#,+ 7*6 &.B,6 =G6 .<B5*-. */+2 .6 /0 /00*G 8*. 4-* *+? 7, -, 4.6 +/ 3, ,- B$<?, LA H+0/- $+. , =2 /+ =0/- .0, 4 1/+ 76 /+?,- 4.6 7, ' . , <,6 *+,< /5-/0* 3= 7, ?,+*$6 .+< *+<$6 -= /0 7, * $6 -*/$6 6 . ,61.+

0 7, . , &*+*6 ,-62 7, /+, 4* 7 47/1 7, *- 7 5.- ,< 4* 7 7, ?-,. ,6 -,?-, 4.6 $+@$,6 */+.3 = /-< </+ F7,+2 /+ -*<.=2 7, : 7 /0 ,7-+.-=2 7, ,N0 (7.+8, /- . ,+<,< . $8M*+?7.1 /$6, / <, *#,- $5 7, -,. ' ,. 2 7, *+?2L 7, 6.=62 .55,.-,< 0/- . 0,4 1*+$,6 / /88$5=7*16, 0 4* 7 / 7,- 7*+?6 //M*+?0 $5 6$<<,+ =2 7, ,N8 .*1,<YP .= 7,1 </4+ /+ 7, 6/0.2

[="##B# "0,(0 %/(1 <(% "+ L
- .(--,.B# 18(".-(0-), "2)- (1)8.%(# 8 ;,# (> +! -)"./F/"-"(1 3*<2 5 :fX

47*87Z *+ 8/11/+ 4* 7 *67/BX F .-7$- /+ .+< (7.- ,6 /NZ 7, //M *+ 4/-M6 /0 0*8*/+E0.+< 3= .+ .-<,+ /#, 0/- 1$6*8Z /0 47*87 7, 5,-0,8 = $+<,-6 //< 7, 7,/-= , 7.< ,#,+ 1.<, 7*16, 0 1.6 ,- /0 7, 5-*+8*5 ,6 /0 7/-/$?703.66Z *+ /-<,- 7. 7, 1*?7 3, .3 , /6$5,-*+G ,+< 7, 1$6*8. 6 $<*,6 /0 .0.#/$-* , <.$?7 ,- /7, .6Z 7$- /4 ,+B/=,< 6/8*, = I 6. = *+#* *+?Z 47,+ . -*?7 /+Z ,+ /- 4, #, 5,-6/+6 /<*+, 4* 7 7*1 *6 8/+#,-6. */+. 5/4,-6Y4 **87 <,-*#,< 7,*- #.-*,< ,N8, ,+8, 0-/1 . -, .<=R4*Z . 7/-/$?7 M+/4 ,<?, /0 1,+ .+<3//M6Z .6 -/+?6,+6, /0 7, -*<*8$ /$6Z .+ ,N -./-<*+.-= 1,1/-=Z .+< 0-/1 . /+? *+ ,-8/$-6, 4* 7 7, 4*6,Z 7, ,.-+,<Z .+< 7, 4* =Y4,-, $+@$,6 */+.3 = /0 .+ 7*?7 /-<,- *6 #/*8,Z 4, .-, / <Z 47* , * 4.6 3= +/ 1,.+6 <,#/*< /0 1, /<=Z 4.6 . M*+< /0 -/ *+?Z 1-1-*+? 7$+<,-LT -A/7+6/+ 5.*< 7*1 7, 7*?7 8/15*1,+ /0 5-/8 .*1*+? 7. 7,-, 4.6 +/ 1.+ *+ +? .+< 0/- 47/6, 6/8*, = 7, 4/$ < 5-,5.-,L 7*16, 0 3$ 7$- /4 F7,+ .1 / 1,, 7*12L7, 6.*<Z 67/$ < *M,Z / M+/4 . <.= 3,0/-, LA (-.</8MZ 47/ 4.6 5,-6/+. = .8@$.*+ ,< 4* 7 3/ 7 /0 7,1Z .55,.-6Z /0 7, 4/Z /7.#, 5-,0,--,< 7, 6/8*, = /0 7$- /4 6.4.=62L7, 4-* ,6Z 1/-, .0-.*< /0 A/7+6/+ 7.+ /0 7$- /4Z 0/- 7/$?7 7, . ,- 6/1, *1,6 4.6 #,-= -/$?7 .+< 8/.-6,Z =, 7, <,8*6*#, 6 -/M, /0 7,Z 0/-1,- ,0 . 1/- . 4/$+<

I C), "#)(+ D #*"/ .# E*.68.-(1 -(.*/(:%" C=(8%/ =),1 =(#+,1- (8. ="1-,.# "1 (1/(1 (0-,1*0-,.)"#%(12*1/#,<,.,#-8/",#,1/ (8-0(.*=)(%, 6*#@,-08% (0 6((@# 0.(;-), :".:8%*-"12%"6.*.",#? *1/*- -"; ,#)*<,2(1, "1-( )"# #-8/7 *1/ 0(81/)"; %*82)"12 -)(82) *%(1,? *1/ 1(=*1/ -),1),=(8%/ /(86%,/(=1 #(;, ,1-,.-*"1"1B2 +*##*2,# 0(. ;7 *0-,.* ;8#,;,1-D4 4 %M ; / <(% "+ C "#)(0N E*.68.-(1D =."-,# "#)(+ ,=-(1 C=*# E)*1 81"<,.#*% .,*/,.-)*-)(-((@/,""2)-,<,1"1 .(;*1:,#? *1/-%",.,"# #:*.:,(1,(0*17 1(-, *1:",1-(.;(/,; =)":)*),)*/1(-.,*/ (# *"/)";#,%0 -)*-),)*/%,*.1,/ +*1"#)-( )*<,-%"(+%,*#8.,(0.,*/"12 M (1 H8">(-,3"1 -),(."2"1*% + &G $ M* ? /0 E(.@#*<(%"+ LU

J (./ *;+6,%%3# "<,# (0-),)*1:,%%(.#*<(%<+ ?

" C)(1(8.)8.%(=#. 3 #*"/ ()1#(1 (1 *1(-),.(::*#"(1? C)8.%(=" *"%"1(0,%%(=), 0*".%7 +8-#)"# ;"1/-(7(8.# D4 .(@:.3# + $ M* + /"-"(1

F ' X ' ' ' ' _

3,7*+<2* L' ' +'8/+#,-6. */+.'8/13. 6'/0'4*'.+<.-?$G
1,+2+,*7,-' /-+,' //M,'+/-'($--.+'.55,.-' /'7.#,'7.<
.+='87.+8,'.?.*+6' 7$-/4' '*-' 7**5' -.+8*622'*+<,,<2'
47/'<, ,6 ,<7*12'*6 6.*<' /'7.#,'3/.6 ,<7.' /+,'<.='/-'
/7,-'7,'4/$<1.M,' '.+',N.15,'/0'7,'/<-$00*.+3$'
7/$?7' 7,=0-,@$,+ =.0 ,-4.-<6 1,'*+'6/8*, =2+/',#*G
<,+8,',N*6 6 /0' -.+8*6'7.#*+?',#,-'/3.*+,<7,'#*8/-='
47*87'7,'5-/1*6,<7*16,00' .-,'./+,Y7,'*</'/0'
6/8*, =2 7,'8, ,3-. ,<' .-,'4*7'1.+='0-*,+<6LY*6 6.*<
/'7.#,'3,,+'.3,' /' $-+'7,' .$?7'.?.*+60'7,'<-,.<,<
,N0(7.+8, /-f.+<7*6'+/'1,-, ='/+'.'6*+?,'/88.6*/+2
3$'-,5,.,<=2 3/7' .' (.- /+' /$6,' .+<F/3$-+'
33,='2

/' 7,' .6' /-<7$-/4'-, .*+,<7.' *15/6*+?'
6/,1+*='/0'1.++,-'.+<.55,.-.+8,'47*872'*+'0/-1,-'
<.=62'7.<.*M,'/#,-.4,<7,'(/$-6'/0' .4'.+<7,' /$6,'
/0' ,,-6' +,'47/'1,'7*1'.'<*++,-'.' -*?7/+2'
4*7*+'.'0/-+*?7'3,0/-,'7,'<*,<2<,68-*3,6'7*16,0'.6'
7.#*+?'3,,+'1/-,'6-$8M'4*7' 7$-/406.55,.*.+8,'7.+'
4*7' 7.' /0'.+='/7,-'5,-6/+'4*7'47/1'7,'7.<,#,-'
.66/8*.,<' $H5/+',+ ,-*+?'7,'<-.4*+?0-//12L'7,'4-*,62'
'47,-,'7,'4.66,.,<' /+'.'6/0.2'4,'4,-,'. '*+#/ $+.-*='
1/#,<' /'6*,+8,2.+<7,-,'4.6'.'6,* +,66'47*87'7,'0.
/0'.'5*+'4/$<7.#,'<*6 $-3,<' ,'<*<+/'1/#,'47,+'
4,'8.1,'*+/'7,'-//12'3$'6*?7 ='*+8*+,<7*6'7,.<2'
47*87'7.<3,0/-,'7$+?'</4+'/+'7*6'3-,.6' ,'4.6'
<-,66,<*+'.+'/<00.67*/+,<?-,='6$*2'3$ /+,<#,-='//6,='
.3/$'7*12'.+<7.+?*+?'</4+'#,-='/4' ,'7.</+'.

I' .*/(:@3# , ; ("'.#'<(%'"'+' U
-')8.%(='"-'#,, ; #')*/'2"<,1'2.,*-'(00,1:,'-(' ".')"%"+' .*1:"# 67'*'#*.:*#-":'
., ; *.@'=):')',')*/'2.(=%,/'(8-'"1'-),' (8#,'(0' (./#"1' !'(1'-),'(::*#"(1'
(0' .*1:"#' ,1,.*% %*<,."12'*1/' (1#(1')*<"126,,1'#,1-'-(' 1/"*'-(':(1-.(% E*..,1'
#-"12#"1')"#+%,1/"/'/;"1"#-.*-"(1'(0'-),'*00*".#(0'-),' *#-' C' -'=*#'-),'2.,*-,#-'
; "#0(.-81, D#*"/')8.%(='C6(-)'-(' 1/"*'1/'-(' 12%*1/'-)*'-),'#)"+'=):')':*.."/'
-)(#,'-).,'2,1-%, ; ,1')*/'1(-"1'),.'+*##*2,'2(1,'-(' -),'6(--(;'(0'-),'#,*D4 (./'
;+6(%%3# ' ' '4 '<(%'<'+'
' 3*<

3-/4+' 4*?E 4* 7' *-,,E-/46' /0' 8$- 6' 3.+?*+?' 5.- =' /#,-'
7*6' 67/$ <,-6' ,' 4.6' #,-=' ?-.#,?' .+<' 65/8,' * ,' *6'
' *6' -/$?720' .+<' 7*6' 1.++,-' /0' 6B ,.M*+?' 6/4' /-<'
7$- /4' *6?' 3,*,#,?' /+ =' 6,#,+ =00*#,' I 3$' 0-/1' 7*6' .5G
5,.-.+8,' '67/$ <' 7.#,' 7/$?7' 7*1' .' 7$+<-,<' =,.-6' / <'
*6' .-?,?' . M?' 7,.#=' ,=,6?' 47*87' 7,' 0*N,6' .' *+ ,-#. 6'
$5/+' = $?' .-,' /#,-67.</4,<' 4* 7' 5,-0,8 =' 47*,' ,=,G
3-/46?' .+<' 7*6' 8/15 ,N*/+' *6' 5. *<' .+<' 8.<.#,-/$6 L' 7,'
6.1,' 4-* ,-?' .' <.=' /-' 4/' .0 ,-4.-<6?' <*+,<' .' *+- /4C*
/4+' .3 ,' F,' 4,+' /0<.=2L' 7,' 4-* ,6?' /' <*+,' .'
/-<' 7$- /4G6?' .+<' $5/+' 3,*+?' 6$1 1/+,<' 0-/1' 7,'
<-.4*+?0-//1' /' <*++,-?' 4,' 0/$+<' 7*1' .-,.<=' 6,.,<' .'
7,' 7,.<' /0' 7*6' .3 ,?' *+' 7,' 6.1,' 8/6 $1,' .6' 7,' <.='
3,0/-,?' .+<' // <+?' ,@$. =' ?-.#,' .+<' * ' /-<' $,'
3,*+?' 1,+ */+,<?' .+<' 6/1,' /+,' /36,-#*+?' 7*6' *0,' 4.6'
?/*+?' /' 3,' 4-* ,+' /-<' 7$- /4' 67.-5 =' /36,-#,<?P 7,'
*0,' /0' .' 0 =' 4/$ <' 3,' .6' *+ ,-,6 *+? CL
7$- /4?' 47,+' +/' /+?,-' 7,' 0.#/$-* ?' &*+*6 ,-' /0' 7*6'
' /#,-,*?+?' 7.<' 6$88,660$ =' 8/$- ,<' 7,' 0.#/$-' /0' 7,' ,*-'
55.-,+ ?' 47/?0/-' 6/1,' =,.-6?' 8/+6$,<' 7*1' *+' . ' 7*6' </G
1,6 *8' <*65*$,6Y 47, 7,-' 4* 7' 7*6' 0. 7,-' /-' 4* 7' 7*6' 4*0, Y'
.+<' 3=' 47/1' 3,' 4.6' ,#,-' -,. ,<' 4* 7' 6*+?$.-' <,0,-,+8,'
.+<' -,65,8' $-*+?' 7,' ,.- *,-' 5,-*/<' /0' 7,*-' *+ *1.8='
7$- /4' 7.<' 3,,+' .' 0-,@$,+' .+<' 0.#/$-* ,' ?$,6' 3/7' .'
(.- /+' /$6,' .+<' .' 7,' .#* */+' .' -*?7 /+' I 3$?' .6' 7,'
.<#.+8,<' *+' =,.-6?' 7,' 6/8*, =' /0' 7,' 0/56' .+<' /0' 7,' 1,+'
/0' 7,' $-0?' 47/1' 7,' 4.6' *+' 7,' 7.3*' /0' 1,, *+?' 7,-,?'
3,8.1,' 1/-,' .+<' 1/-,' <*6 .6 ,0$' /' 7*1?' .+<' .88/-<*+? =?'
. ,-=' * ' 4.6' 3$' -.-, =' 7.' 7,' 8/$ <' 3,' *+<$8,<' /'
.88,5' 7,' -*+8,G6' *+#* . */+6' $ 0LY 4.6' /+8,' 7*6' ?-$00'
-,5 =' /' 7,' 7,*-' /' 7,' 7-/+, Y ' ' 1$6' +.1,' .' <.=' 0/-'
<*+*+?' 4* 7' =/$-' /=.' *?7+,66?' *' 67.' 3,' 47,+' =/$-'
/=.' *?7+,66' M,,56' 3, ,-' 8/15.+= L' +8,?' 47,+' 7,

[' *=' *2*V"1,' <(%' <"" ' +' '? (./' * ; +%",".# "<,*' (0' -),')*1:,%(.#' <(%' <'
++' 9 ! ' 9 ' S S

T M]"

4.6 5-,#.* ,< $5/+ /3-,.M 7-/$?7 7*6 -$,2 * 7.55,+,< 7. /+,/0 7,5,-6/+6 *+#* ,< /7,-*+8,06 .3 ,4.6 .+/ /-*/$6 65/- *+? 87.-.8 ,-5 0 7,R <.=2 '*-A/7+ .<<2 47/6,8/15.+= 7*6 /=. *?7+,666 6/4 , M+,4 4/$ < 3,/00,+6*#,L /7,,88,+ -*8 .4=,-2 7. 7,.+ *8*5. ,< 7*6 <*65 ,.6$-,3= 1,, *+? 7*1 *+ .+ .+ ,0-//1 . 7, .#* */+2 .+< .5/ /?*>*+? 0/- 7, .* /+, 06 5-,6,+8, '*-A/7+ .<<2 6.*< 7, -*+8,2 4.6 .+/ < 0-*,+< /0 7*62 47/ 7.< 8/1, /-*?7 /+ /. ,+< 7,-.8,62 .+< 7,8/$ < +/ .#/*< .6M*+? 7*1 /<*++,- 7,,N0 7.+8, /-2 7/4G ,#,-2 4.6 .55.-,+ =< , ,-1*+,< +/ /3,5.8*0*,< 7.#,+/ /3B,8*/+2 '*-2L 7,6.*<2 /'*-A/7+ .<< *+ 7*6 5-/5,-5 .8,2 47*87 .M, /3,=/$- /=. *?7+,666 8/.8703/N2 .+< +/ =/$- <*++,-0 .3 , L

7, <*6/-<,- /0 47*87 /-< 7$- /4 <*,<2 .6 ,< /+ = 4/ <.=6 '7.#,+/ 2L 4-* ,6 /-< (.153, 2 , .-+,< .+= 5.- *8$.-6 /0 7*6 ,+<2 3$ 4* 7/5, 7. * 4.6 . ?//< /+, L 7. 7*6 +. $-, 4.6 +/ .H -$??,<+,66 .+<6, 0*67+,662 .6 1.= 5,-7.56 3, 6$55/6,<2 1.= 3, 5-,6$1,< 0-/1 7, 0.8 7. 7, -*+8, /0 F. ,62 *+ 65,.M*+? /0 7*6 /662 4.6 6/ .00,8 ,< .6 /67,< ,.-6 0*$- /406 -,1.*+6 -,6 *+ 7, #.$ $+<,- 7, 6/$ 7 .*6 , /0 7, ,15 , (7$-872 *+ /47*87 7,= 4,-, /4,-,< 4* 7 ,N -.2/-<*+.-= 5/152 .+< 6/ ,1+* = 0

+ 7, <.= 0/ /4*+? 7. /+ 47*87 /-< 7$- /4 3-,. 7,< 7*6 .6 2 ,N5*-,<2 *+ 7*6 0*0 =0,*?7 7 =,.-2 . 1.+ /0 . 0.- 7*?7,-?,+*$6 .+< /0 . 0.- 1/-,?,+*. ,15,-.1,+ 2 (7.- ,6 A.1,6 /N 2 /- . /+? *1, 5.6 2 7, 6,,<6 /0 . 0. <*6/-<,- 4/$ < 6,,1 /7.#,3,,+ $-M*+? *+ 7*6 /+8, #*?/-/$6 8/+6 * $ */+ /- *+6 .+8,2 /+ F,<+,6<.=2 7, +< /0 5-* 2 /-< (/87,6 ,- 1,+ */+6 *+ 7*6 *.-= 7. 7, 4.6 .M,+ * *+ 7, /$6, /0 (/11/+6 /+ 7, 5-,G 8,<*+? & /+<.=IA .+< .?.*+2 47,+ 7, . , &- /?,-6

I (./ *;+6,##3# "<,# (0-),)*1:,##(.#<(% <'+ 0 6"/ '++ ! !
(./ (%:),#-,.3# "*.7*1/ (..,#+(1/,1:,'<(% "" '+'U
#/* '

5.*< 7*1 .##*6* *+ ' .3 ,) .-<2 7, /36,-#,< 7, 6$65*8*/$6 8*-8$16 .+8, /0 7, 4/-M6 /0 *55/8-. ,62 =*+? /5,+ 3,0/-, 7*1) , * 4.6 +/ * 6/1, 4, ,M6 .0 ,-4 .-<62 7.0 7/6,2 /' 47/1 7, 4.6 5*/6 +, .- .+< <, .-2 6, ,+- /' 7.#, ,+ ,- .*+,< .+= 6$65*8*/+ /0 7, 5.*+0$ -$ 7 P 3/$ 7, ,+< /0 &.=EL 4-* ,6 7*6 5-*#. , 6,8-, .-=2 -/ ,-22T &-6 C/N 1,+ */+,< 6 *?7 =2 /' 1, 7. &-0 < ;' 4.6 $+4, 2*3$. 7*6 *1,2 7,-,24.6 */' . .-1 /- .55-,7,+6*/+ +' 7, 3,?*++*+? /0 A$+, ' -,8,*#,< .' 1,66.?, 0-/1 7,-2-,@$,6 *+? 1, /' 8/1, /' 7*12 .6 7, 7.< ,N5-,66,8E .* 4*67 0/- 1, /'0-, .< /' 7*12 f*0 4.6 <*6G ,+?.?,< 4.6 *+ 7, ,#,+*+?2 .+< 20/$+<]7*1 -,G 8 *+*+? $5/+2 . 8/$872 $+, .6= .+< .+?$*< 6, , 1, <2 /' 1, 6/ 6$, <,+ .+ . .8M 7. 4.6 6$-5-*6,< .+< 67/8M,< ,-,@$,6 ,< 1, /- , .< 6/1, /0 7, P0 +,*<C 5 7*12 .+< <,6*-,< 1, /2 $-+ /' 7, /$- 7 /5M 7*6 4.6 7*6 0.0 #/$*E* ,5.- LT +,57,4 /-< / .+<2 .6/ 4** ,6Y . .- = *5 A$+,2 2<*+,< .+< 65,+ 7, <.= 4* 7* 7*1E} 75 -,@$,6 /0 &-6 /N ,7.< 3, ,+ . .8M,< 3= -7,$G 1. *61 *+ 7, 7*?762 .+< 3= *-#,-= $+$6$. <,B,8 */+ /0 65*-* 6 0EH **,#,- 7, ,662 /+ 7, 9 72 7, 4.6 +/ /+ = 4, ,+/$?7 @2<-*+M2 ,.* 4* 7 7, '5,.M,-2*+ 7*6 5-*#. , -//1 *+ 7, /$6, 50 (/11/+62 3$ .55, .-6 /' 7.#, 8/+#,-6,< 4*2 7 7*6 6. 65*-* .+< .+*1. */+ + 7, 8/$-6, /0 7, .0 ,-+//+06 8/+#,-6. */+2L 4-* ,6 /-< (/87,6 ,-2 4, 0, $5/+ .#.-*, = /0 /5*86I 7, *?+/-.+8, /0 7,2<.-M .?,62]47*87 7, <,+*,< /' 3, '6/ #,-= <.-M .6 4, .–,2.5 /' -,5-,6,+ 7, 1 , *+6 .+8,< 7,*- 3$* <*+?62 .+< 7, 65*-* ,< .+< ,.-+,< 6 = /0 /5, * <,3-.+< 2 , .?-,,< *@ 7,2.<1*-. */+ /0 *#=06 '5,,87,62 .+< *+6 .+8,< 7. /0 7* *5 /0 &.8,< +2 U8 I 3$2 0/- 7, ?-,. ,- 5.- 50 B*#=2 7, //M,< $5/+ * .6 * , 3, ,- B3.+ . 3,.$ *0$ -/1.+8,2

I , :(%, :-"(1# 67 * ; 8, % (2,.# +' U
0 , ; (".# (0-), * --,. ,*.# (0-), "2)- (1)*.%,# * ; ,# (>'67 , .1*./
.(--, .+' U (./ (%%*1/3# , ; (".# (0-), E)"2 *.-7 <("" +' U

4* 7‘ 7,‘ 7*6 /-=‘ /0‘ 7,‘ /-. **‘ .+<‘ (+0*. **2‘ U8 L‘ ‘ 7*62L‘ .<<6‘ /-<‘ (/ 87,6 ,-2‘ ‘4.6‘ 7,‘ .6 2‘ /-‘ #,-=‘ +,.- =‘ 7,‘ .6‘ *1,2‘ /0‘ &-‘ /N‘ . ,+<*+?‘ 7,C /$6,‘ /0‘ (/ 11/+6 L‘ -/ 1‘ 7*6E D5,-*/<2‘ /N06‘ <*6/-<,-2‘ 47*87‘ 5-/#,<‘ /‘ 3,‘<-/56=2‘ .55,.-6‘ /‘ 7.#,‘ ?-/ 4+‘ ' ,.<* =‘ 4/-6,‘ ‘ &-‘ /N06‘ 57=6*8*.+620 4-* ,6‘ /-<‘ (/ 87,6 ,-‘ /+‘ 7,‘ 7‘ /0‘ A$+,2‘ ‘ .6‘ +*?7‘ 7.<‘ .‘ 8/+6$. */+2‘ .-*<‘ 7,‘ 0,6$ ‘ 4.6‘ 7.‘ 7,=‘ .8@$.*+ ,<‘ 7*1 4* 7‘ 7,‘ .36 $ ` +,8,6G 6* =‘ /0‘ 7*6‘ *1 1,<*. , =‘ ?*#*+?‘ $5‘ 3$6*+,662‘ .+<‘ -, *-*+?‘ *+ /‘ 7,‘ 8/$+ -=I 7.‘ + ‘ 1,<*8*+,‘ 8/$ <‘ 7.#,‘ * 6‘ ,00,8‘ $+ * ‘ 7,‘ <*<‘ 6/‘ /‘ 47*87‘ 7,‘ .+64,-,< 7.‘ 7,‘ 3$6*G +,66‘ +/4‘ *+‘ 7*6‘ 7.+<6‘ 4.6‘ 6/‘ 5-,66*+?‘ .6‘ /‘ -,+<,-‘ 7.‘ *15/66*3 ,I .+<‘ 7.‘ 7,‘ 43$ <‘ ?/‘ /+‘ .‘ . ‘ -*6M6 L0‘ ‘ 4.<‘ $+<,-‘ 7,6,‘ 8*-8$ +6 .+8,6‘ 7.‘ 7*6‘ 0-*,+<6 Y‘ 7-/$?7‘ 7,‘ 1,<*$1‘ /0‘ /-<‘ /4*8M Y‘6$??,6 ,<‘ /‘ D7*1‘ 7,‘ 5-$<,+8,‘ /0‘ -,1/#*+?‘ *+ /‘ 7,‘ /$6,‘ /0‘ /-<62‘ .‘ 5-/1/ */-* 47*87‘ 4/$ <‘ -, *,#,‘ 7*1‘ 00/-+‘ 7,‘ .3/G -*/$6‘ <$ *,6‘ ,+ .* ,<‘ 3=‘ .‘ 8/+6 .+‘ } ,-*<.+8,‘ *+‘ 7,‘ /* 6,‘ /0‘ (/ 11/+6‘ ‘ &-6‘ /N2L‘ 4-* ,6‘ /-<‘ / .+<2‘ ‘4.6‘*+‘ 7,‘ -//1‘ 47,+‘ 7*6‘ 6$??,6 */+‘ 4.6‘ 1.<,‘ ‘ 7,‘ 1,+ */+‘ /0‘ 7,‘ ,,-.?,2‘ 7,‘ //M,<‘ .‘ 7,-‘ 6*?+*0*G 8.+ =2‘ 4* 7‘ .‘ -,0,-,+8,‘ /‘ 7*6‘ 6,8-,‘ 3$‘ ,.- =‘ <, ,-1*+.G */+‘ +,#,-‘ /‘ 3,‘ 8-,. ,<‘ .‘ ,,-B‘ .+<‘ .0 ,0‘ .‘ 67/-‘ 5.$6,2‘ 7,‘ 6.*<YP /2‘ +/‘ =, I ‘ 7*+M‘ +/‘ =, CL‘ 7,‘ 6.1,‘ ,#,+*+?2‘ .<‘ /-<‘ / .+<‘ 4.6‘ 6* *+?‘ 3=‘ 7*6‘ 3,<6*<,2‘ <*6G 8$66*+?‘ 4* 7‘ 7*1‘ 7,‘ 1/6‘ 0,.6*3 ,‘ C1,.+6‘ /0‘ -, *,#*+?‘ 7*1‘ /0‘ .‘ 67.-,‘ /0‘ 7*6‘ 5-,6,+‘ 3* ‘ .+<‘ .+N*, *,62‘ 4* 7/$‘ -,@$*-*+?‘ **+* /‘ -,6*?+‘ 7*6‘ 6,. ‘*+‘ 7,‘ (.3*+, 2‘ 7,‘ *+#. *<‘ .<#,- ,<‘ /‘ 7,‘ 5-/B*/6. ‘ /‘ , ,#. ,‘ 7*1‘ /‘ 7,‘ /$6,‘ /0‘ /-<6‘ ‘ 7,C ,,-.?,2‘ /‘ 3,‘ 6* -,2L‘ 7,‘ 6.*<2‘ ‘6,,16‘ 7,+. $-. ‘ 4.=I‘ 3-*‘ 7. ‘ 8.++/‘ 3,‘ ‘ 7. ,‘ .+‘ /. 7‘ *+‘ ,.#,+‘ .?.*+6‘ * ‘ ‘ 4* ‘ +/‘ 8 /6,‘ 1=‘ d/ *862*+‘ 7. ‘ 0// *67‘ 4.=2‘ .6‘ 6/‘ 1.+=‘ 7.#,‘ </+,‘ 3,0/-,‘ 1, LZ

$-*+?7*6* +,66 /N4.66$3B,8 ,<. *1,6 /?-,. 3/<* = /-$-,2 47*87 7, ,+<$-,< 4*7 6*+?$.- ,@$.G +*1* = 88.6*/+. =2*+<,,<27,*6<,68-*3,<.6 6$00,-*+?0-/1<,5-,66*/+ /065*-* 62.6*0.+ *8*5.*+?.0. , -1*G +. */+ /7*6<*6/-<,- /-*+6 .+8,2*+ /+,/0* 6,.- = 6.?,62 4,0*+<7*1/36,-#*+? /.0-*,+<Y * 7.6<*,< *+A.+$.-= 5,-7.56 1.=?/ /003,0/-,A$+,.<<*+?2 3,?*+2 /7*+M 1=8/15.*+ +/ $+7M, * 06 &= 6/1.87 7.6 3,,+ /+?<*68/15/6,< 0,, 1=8/+6*$G */+ <*66/ #*+?L ?.*+2 47,+2*+ 7, 3,?*++*+?/0 A$ =26/1, /+, 7.55,+,< /-,1.-M 7. *B4/$<3, 4/ /- 7-, ,1/+76 3,0/-,&-6 /N06 3.8ME4.+6 4,-, *M, = /3, *+?//<5$1.?,Y 7,+2L4.6 7*6 1/$-+0$ /36,-0 #.*/+2 67. +,#,-6,, 7,1 6/L0 ,#,-7, ,662 7, +.$-. 64,, +,66.+<6,-,+* = /07*6 <*65/6**/+6$55/- ,< 7*1 7-/$?7 ,#,-= -*. *6 ,15,-2L4-* ,6 7*6 0.*70D 0$ 6,8-, .-=2 47/ ,+<,< 7*1 <$-*+?7*6 /+?* +,662 +,#,-87.+?,<2.+< 4.6 .4.=6 6,-,+, .+< 64,, 4.6 .1.>*+? /3,7/ <6/ 1$87 <*6 -,66*+?.+?$*67 .+< 6/ ?-,. , @$.+*1* = +<.?.*+2 . . ,-5,-*/<2 -/ ,-4-* ,6Y $-*+? 7,47/ , *1, /01=. ,+<.+8, . B**?7 /+ &- /N25/ /+, *15.*, + 4/-< ,68.5,<7*1L[&- /N06 /+</+ -,6*<,+8, . 7*6 *1, 4.6 /</57*+ /$6,2 ' .3 ,).-<2 ' A.1,6062B2 7, 6* , /0 47*87 *6 +/4 8/#,-,<3= 7,6 . , =1.+6*/+ /0 7, $M, /0 '$ 7,- .+< 7, ?.-<,+50 7, 7/$6,. ' .3 ,).5<2L4-* ,6 -/ ,-2 4@6 <.* = 0* ,<2 4*72 .+N*/$6 *+@$*-,-6 7, 0/-,*?+ 13.66.</-62 /- &*+*6 ,-62 /- 5-*#. , 0-*,+<6 /0 &- /N2 4. M,< 7,-,2 ,.?,- /M+/4 7*6 6 . , /07, . 72 .+<8.87 . 7, 7/5, /0.1,+<1,+ 6 7, ?-,4 4/-6,2 7, 8,.6,< /?/ /$ *+ 7*6 8.--*.?,2 .+< 4.6 <-.4+ *+ .?.-<,+087.*- .

I 118*% ,2"#-,.0(. '+ -%(./ (%:),#-,.3# "*.",#<(%'"'++' L .(--,.B# ,;("#(0 (>'+'U L' Z 6"/ '+'UL!
) ,' 118*% ,2"#-,.0(. \+ M*%%8/,# -((/(%+)"1 (8#,'*# 6,"12'*- -),'-";,'(0 (>'-*@"12'8+')"# .,#"/,1:,'-),.,'C-),' ,%,2*1- ;*1#"(1'(0-),' 8@,'(0 ,/0(./'*- -' *;,#3#D

*1,6 -/$+< 7,' 4. M6' ' 7.#,' 1=6, 0 <-. 4+' 7*1' 47* 6' 7,' $6 -*.+' 13.66.</-2 -*+8,' ' .7-, 17,-?72 8/+#,-6,< 4* 7 7*1' *6 1.++,-' 4.6 .6 ,.6=2 .+< 7*6 1*+< .6 5,+, -. *+?' .+< #*?/-/$6 .6 ,#,-I' .+< 7,' -.+6.8 ,< 3$6*+,66 * ' 7*6 4.=2 7/$?7 7,.#* =' /55-,66,< 3=' 7*6 <*6/-<,-2 4* 7' 5,-0,8' 0.8* * = L ' 1/+?' 7,' +$1,-/$6 0*C*,+<6 .+< .<1*-,-6 47/' .-,' 1,+ */+,< .6 8-/4<*+?' /' ' .3 ,') .-< /' 1.+*0,6' 7,*-' 6=15. 7=' 4* 7 7,' 6$00,-*+?' 6 . ,61.+2 4,' 0*+< 7,' -*+8,' /0 F. ,62 47/' 6.4' .+< 6.' 4* 7 7*1' . 1/6' ,#,-=' <.=I 7,' $M,6 /0)/-M' .+< (.-,+8,I -. .+2 '7,-*<.+2 .+< /-< '*<1/$ 7' ' ' /+,' 6*+?$.-' *+ ,-#*,42L' 4-* ,6 7*6 5-*#. ,' 6,8-, .-=2 $' 4.6 5-,6,+ ' &-' '7,-*<.+' F*67,< /' 6,,' &-' /N2 /' 47*87 7,' . ,-' -, $8 .+ =' 8/+6,+ ,<2 -,@$,6 *+?' /-< -,=' /' -,1.*+' *+' 7,'-//1' 7,'1,, *+?' 4.6 67/-' .+< $+6. *60.8 /-=' &-' /N2 4* 7 1/-,' 8/ <+,66 7.+' ' ,#,-' 6.4' 7*1' .66$1,' /' .+=' /+,2 65/M,' 3$' .' 0,4' 4/-<6 L7' ' /NG6 6* $. */+2L' 4-* ,6 /-< '*<1/$ 72 /+' 7,' K 7 /0 A$ =2 '*62 ' 0,.-2 @$* ,' 7/5, ,66' *6 6 -,+? 7 <*1*+*67,62 .+< 7*6 3$ M -. 7,-' *+8-,.6,6' 7,' <.+?,-' *6 +/2 7/4G ,#,-2 6$55/6,< 3 3,' *1 1,<*. , LE 4/' <.=6 .0 ,-4.-<6' /-< '*<1/$ 72 3=' &-' /NG6 /4+' *+#* . */+2 4.6 .<1* ,< /' .' 5,-6/+. ' *+ ,-#*,4' 4* 7 7*1' *+' 7*6 6*8M087.13,-2 .+< 4.6 7$6 ,+.3 ,<2 0-/1' 5,-6/+. ' /36,-#. */+2 /' 0/-1' 7*6 /4+' /5*+*/+' /0 7,' 87.+8,6 /0 -,8/#,-=' /0 /+,' *+' 47/6,' 57=6*8. ' 8/+<* */+' +/' /+ =' +? .+<2 3$' $-/5,2 7.< -,.6/+' /' .M,' 7,' <,,5,6' *+ ,-,6 ' ,' 4.6 *+' 3,<2L' 4-* ,6 /-< '*<1/$ 72 ' .+< ' 6. ' . /+,' 4* 7 7*1' .3/$' ,+' 1*+$,6' ,' -,8,*#,< 1,' 4* 7 ?-,. ' 8/15 .8,+8=' .+< 8/-<*. * = Y 8/$ < . 1/6' 6.=' .00,8 */+ YE3$' 5,-7.56 ' B$<?,< .' * ,' 0-/1' 1=' /4+' 6,+6. */+E

K ,'' ; ")"' A8*%"#, . *-' A8*1-8 ;' 1 ; -*-8# *6 "%%(' ,:-(.,'' 3

I' .(--,.3# , ; (".# (0 (>' ++' U L' U -' 6"/' ++' U 9U ' ,*1' ,%%,=3# "0,' (0 (./' "/ ; (8-)' <(%' "" ' +' U!

B*< =, 1=5-,6,+ *15-,66*/+6 -,65,8 *+?7*1 .-,+/
$,-=7/5, ,66 .6 7,=4,-,3,0/-, 6.47*1 *6
8/ /$-2*6#,-=3.<I3$7*6#/*8,4.68 ,.-2 .+<7,6,,1,<
0,66/55-,66,<7.+7,4.60/$-4,,M6.?/ ,67//M1,
3=7,7.+<.5.-*+?2.+<6.*<7,07/5,< 4/$<8/1,
2"1 D"I

+7,:7/0 $?$6*-/N-1<,-4,+24*7?-,.
8.1+,66.+<8/$-.?,27,<*6-,66*+?/5,-.*/+D0 3,*+?
.55,<0/-27*68/15.*+ 7,6*$.*/+.+<0,,*+?6/0
&-6 /N2L4*C*,6 /-< / .+<2 6,,+*,</3,7,087*,0
.+<*+<,,<7,/+=/88$5.*/+/0 7*6 1*+<+7./88.G
6*/+2.+</+,#,-=/7,-47,-,7,65/M,/0 7,5-/3.3**=
/0 7*6 <*6,.6, ,-1*+.*+?0.. =, 8/$<65,.M /0
+/ 7*+?-,?.-<*+?7,-4*7/$6-/+?.+<6,+6*3 ,C,1/G
/+, 8/+-#,<2 7/4,#,-2 /,N5.*+7*6 4*67,6.+<
,N5,8.*/+6.3/$.5-/#*6*/+0/-7,-.0 ,-7*6<,.7 7,=
4,-,.6+,.-=0$0* ,<.6 7,6.,/0 7,5,+6*/+.46 4/$<
.<1* , 7.< 7.-<=0*+*67,< F7.7,7.</,.=/+
7.5.*+0$6$3B,8 2 47,+7,.3-$5 =6.*<0YP /4 87.+?,
7,8/+#,-6.*/+2/-,.<1,7, *?7 7 //M/0)*-?* C
<*<6/ ,1.<,1,-,.<7,0*+,6#,-6,6 4*8,/=,-I
65/M,/0 7,*-1,-*62.+<8/15.-,<7,1 4*7 5.66.?,6
*+/7,-5/,62 4*7.7*6$6$..,$,-*,662 .6 ,2 1,1/-=2
.+<#*#.8*=LT

+7, 7/0 $?$62.7/$?7 6* *+.0#,-=5-,G
8.-*/$6 6.,2 &- /N4.64, ,+/$?7 /3,-,1/",</
7,3,.$*0$#* ./0 7*6 0-*,+<7, $M,/0 ,#/+67*-,
. (7*64*8M *6 7,.-2.6 7*6 5-*#.,*6,<-,.=*+0/-16
$62.+?$*67,<0/-7*6 d4+0.*-7/1,.' ' ++,6 * 2
*+47*87.7*6 7/AX,6/0 0$ $-,-,6.+<7.55*+,66
4,-,8,+-,<2 3$7*6 6-,+?7 4.6$+,@$.7 /7,5,-G
0/-1.+8,/0 7,B/$-+,=' * 2,#,+7,87.+?,/(7*6G
4*8M .00/-<,<7*1*+0*+*,6.*60.8*/+ 7,G,.7,-2L

[,*1 ,%%,=B# "0,'(0 ("3/ "/;(8-) ' ""'+'U! '
-' (./' (%%*1/B# ,;(".#(0-)(' E)"2 *.%7'<(%'"'++' U' L

4-* ,6 /-< / .+<2 F.6 ' 0*+,20 .+< 7,' ?.-<,+2 7-/$?7 47*872 7,' 4.6 47,, ,<2 .+< 7,' 5*8 $-,62 .+< .-?,' .5.- 1,+ 6 /0 7.' 1.?+*0*8,+' #* .' 6,,1,< /' -,0-,67 7*6 065*-* 6' '0-,1.*0M / ' .8/+2 @$/ ,< *+' 7,' P '5,8G . /-2C 7.' 5/, -=2'68$ 5 $-,2 5.*+ *+?2 .+<*.*' 7,' .**6 /0*1* . */+2-, *,#,' .+<6// 7,' 7,' 1*+< *+' 6*8M+,662 47* ,' / 7,-'' /88$5. */+6 0. *?$,' .+< 7.-.66 * 22 6 -$8M 7*+ ' ,NG 8,,<*+? =*L' ' *6 5-*#. ,' 6,8-, .-=' . 6/2 47/'B/*+,< 7*1' . ' (7*64*8M2f F.6 5 ,.6,< 4* 7 7,' *15-/#,1,+' 47*87 7,' *1.?*+,< 7,' 5,-8,*#,< *+' 7*6 .5 ,.-.+8,' 7,' x7.+?,' /0'.*-' .+<f'8,+,2L'<*,' 4-* ,62 7.< . -,.<=' 7,+,0* ,< 7*1' ' 0/$+< ***+' 4. M*+?' .3/$' .+< //M*+?' . ' 7,' 5*8 $-,6' ,' 4/-,' .' 1/-+***?0?/4+' *6 .*-' 4.6 B ,8$*.-=' +/7 ,' .+< .$?$6 ' ' 4.6 7,' /1.+' 8/+6$' /-' 6,+. /-2 -, *-,< 0-/1' 7,' 1 ' /0'.' $6=' 8* =2 .+< ,+B/=*+?' 7,' 87.-16 /0 -$-.' -, *-,1,+ 2 6$--/$+<,< 3=' 7,' 87/*8,6 ' 5-/<$80 */+6 /0 .- ' Hf 8.-,' 6,,1,< -,1/#,< 0-/1' 7*6 1*+< L0' ' 6 ' <-,4' 7*1' -/$+< (7*64*8M ?7-<,+2 . ,-7M , =' 4* 7' .' 6,-#.+' CY 8/+ *+$,6 7*6 3*/?-.57,-Y ' 7*60 K/+#,-6. *K+' 4.6 5 ,.6.+' .+< . 4.=6 *+6 -$8 *#,f 87*,0 =' <*-,8 ,<0 /' /3B,8 6 /0 +. $-.' 07*6 /-=E 3/ .+=2 U8' U8' ' 67.<,' /0 1, .+87/ =' 6/1, *1,6 6 / ,' .8-/66 7*6 8/$+ ,+.+8,' 4E7,+' /3B,8 6 -,1*+<,<7*1' /0 7,' . ,' $87,66 50* ,#/+67*-,f ' *1,62 &-6' /N' /-' &*66 /N' 4. M,< 3,6*<,' 7,' 87.*-' *6 87.-.8 ,-' 4.62 .6 . ' ' ' ++,06 *H2 ,#,-E .1***3 ,' .+< </1,6*8 L'

F, 2 *+<,,<]1.=' /N' 7.#,' 3,,+' .00,8 ,<3=' 47. ,#,-' /3B,8 6-,1*+<,<7*1]/0 7,'. .87,< .+<0.68*+. *+?' 0,1. ,' *0-*<+< 47/1'7,'7.< /+ =' -,8,+ =' /62 .+<0-,@$,+ =' *+$6' 0 7/6,' 1/$-+0$' -,8/?+* */+6 7.#,' f3,,+' 0/-<,< $5/7 7*1' 7,' 61. ' 3,<87.13,-]47*870 7,' /88$5*,<0_0 7,' 6.1,2 *' *6 6.*<2 *+' 47*87 ,/-?,' (.++*+?.0 ,-4.-<6 3-,. 7,< 7*6 .6F/5,+,< *+ /2 7. T3-*?7' . *.+' B. //+2 -*87 4* 7

[(./' (%%*1/3# :%8(".#(0-%" ' E)"2 *.%7'9<(%'" '++' L' '
-' .(--,.3# ,;(".#(0 (>'aN' U U' -' 6"/ '+'U

5*8 $-,6 .+< / 7,-?,16 /0 .-2 /0 47*87 0,4 47/ 7.#, #*6* ,< 7, 65/ 8.+0.* / -, .*+ .#*#*< -,8/ ,8 */+ + 7. +/3 , .5.- 1,+2 ,.87 *1, 7. 7, </!-/0 7*6 /4+ -//1 /5,+,<26/1, /3B,8 /- / 7,-8/$ <68.-8, =7.#,0.* ,< / -,8. / 7*6 1,1/-= 7,7*?703-,< .+<3,.$ *0$ 4/1.+6 0/- 47/6, /662 /+ =0*#, 1/+ 76 5-,#*/$6 =2 7, <,. 7-3,H /0 (7*64*8M (7$-87 7.< / ,<2 .+< 47/1 7, 4.6 6/ 6//+ / 0/ /4 / 7, ?-.#, #,-= 7*+?* *+ (7*64*8M /$6,2 *+0.8 24.6 , /@$,+ /0 7, ?-.8,0$ .6 ,6 .+< .88/15 *67G 1,+6 /0 * 6 . , 1*6 -,66 8/+ *+$,<2L 4-* ,6 -/ ,-2 / -,.< . /$< ,#,-= +*?7 J / &- /NVI .+< .6 7, 88.6*/+. = <-/55,< .6 ,,52 4.6 7,+ ,0 / 7, .40$ 1,<* . */+6 *+8*<,+ / 6$87 .6* $. */+ / 5,-6/+ 4.6 .4.M, 3,6*<, 1=6,0 7, /0 =-//16 .+< 7. /0 (7*6G 4*8M /$6, 4,-, 6* ,+2 .+< 7, 4/- < -,5/6,< +/+, /0 7,6, 1, .+87/ = 5.$6,6 4. M,< .3/$ 0/- .0,4 1*+$,62 .+< 0/$+< 1=6,0 *+#/ $+ .-* = .+< .88*<,+ G . = *+ 7, . , $87,66 /0 ,#/+67*-,05 <0,66*+?0-//-72 #,-= 7*+?* 4.6 .6 7. .1*.3 , .+< .88/15 *67,< .<= 7.< ,0 * 7, 1$6*803//M 6 * /5,+f 7, 3//M6 +/ -,6 /-,< / 7,*- 5 .8,6f .87.*- .6 *0 67, 7.< 3$ B$6 ,0 * f .+< ,#,-= 1.-M /0 . -,8,+ *+7.3* .+ *+ 7*6 , ,?.+ .5.- 1,+ 7, $87,66 7.< <*,< *+ &.=2 .+< &- /N 7.< #,-= 6,#,-, = 0, 7,- /66 . 00/5,+,< +/ ,6 .= 68. ,-,< .3/$ 7a +*?7 4.6 6/ ,1+ .+< 6* 2 .+<2 . 7. 1/1,+2 7.< 6/1, 0 /. *+?* 6/$+< /0 1$6*8 #*3-. ,< 7-/$?7 7, .*-2 8.++/ , / 47. 1= 0,, *+?6 4/$ < 7.#, 3,,+ 4-/$?7 ,#,- 7.< ,N5,-*,+8,< 6/ 6 -/+?* . 6,+6. */+ /0 7, -.+6* /-=+. $-, /0 *0,2 /0 7, #.+* = /0. 0,, *+?* 4/- < L Z

I), 8:),##)*/ /",/ (1-),! -) (0 *.:) *- ,<(1#%""., (8#, ":(*/"R7 4B 2 3 # ^ 0(. + L U

- .(--,.B# , ; (".# (0 (> ++ UL BULI -)*#6,,1 (0 */<*1-*2,-(-),*8-)(. (0-),#,<(%8 ; ,#-)*-),) *# <"#"-,/ ; *17 (0 -),#:,1,# (0 "1-,,,#-%,0*.0(/ -(" 1)"# +*2,# - ;# 6,,1)"# 0(.-81,-(*<,-.*<,.#,/ 1(- (1%7-),:%*##":*% (+*.- ; ,1-# *-)"#=":@ =)":%* =,,-),#:,1,# (0 . (>"# %*#- "%%1,## *1/ /,*-))8- -(*<,6,,1 :(1/8:-,/ 67)"# <,1,.*6%,= "/ (=(<,.-),2*./,1*1/2.(81/# (0 - 11,3# "%% *1/

. ,-,<3,0/-,5$3*8. */+L *6.<1*-. */+/0 7,4/-M6 /0+. $-,.6/8/+*+$,< /6//7,7*1.1/6/7, .6 0,+2L4*$,6-/,-E<*<7,. ,-=4.M/ 7*64*+</4/?.>,/+7,3,--*,6/0 7,1/$+.*+0.672 47*87 7$+?8$6,-*+?/+.=/**+?-,,.(7*64*8M /$6,2 #,-=1/-+*+?7,-,$-+,</ //M.** , 4/$<5-.*6,*2.6 7,1/-+*+?03-,,>,-$6*+?67//M 7, 3,--*,6.+<,.#,6L *6.6//M/+7.01$+.*+0 .672Œ.<<6-/,-2 4.6 7*6 0.-,4, /.$-,L0

7,8/6*+?68,+,6/0 &-/NŒ6 *0,2**4,-,3,6 5,-G 7.56/,.#,/7*6+,57,4/-< /.+<2/<,68-*3,+7,1/-+*+?/0 7, 7/0'5,*+3a-2L4-*,6 7*6 /-<67*52 7,?-,4 1$87 4/-6,2.+< &-6/N6,+0/-1,/#,-/(7*64*8M2 47*87 <*<+/@$**.0,-7a ,-1*+.*/+/0 7*6* +,660 +,<.=7,6,+0/-1,2.+< -,1*+<,<1,/0 1=5-/1*6,+/ /8/+8,.7,-$ 7'B 20 /<3*+.7.4,7.<3,,+1$87.-.-1,<2 7$7.7,4.6 3, ,-<<,<2 7/4,#,-2 7.7,4.6*+.#,-=5-,8.-*/$6 6.,2.+<7.1$6.8M+/4,<?,7*6<.+?,-2 7/$?7 B-,-7.*-6/#,-6.,<*0-/1.0,-=/0. /4*+? 1=6,0/<,8,*#,7*1.0,-7,5-/1*6,7.<?*#,+, 7,+-,5,.,<7,*+B$+8*/+6 7,7.<?*#,+3,0/-,2C.+< 6.*</+8,/-4*8,Y) /$7.#,</+,@$*,-*?7 I0=/$4* +/0/-?,5//-*>2 F7.4*3,8/1,/07,-S@ 67, 7.<+/43,,+4*8,.55-*6,</07*60.+?F2.+<6,,1,<

I "i.\ (" "/B# ,;(".# (0-),E)"2 *.%7<(%""++ LU LL 7""*-: /.')(* *++.(<,/D=."-,# .*66,)";#,%0C-),.,*/,.="%.,*/"%76,%",<,::*.,08%%7.,-*"1,/),'+*.-#),'/"#%"@:.%*.,-(-*%%7,>+812,/*1/(-),.# *.,#86#-"-8-,/=)"(%<')(+,' .,#,;6%,-)(#,';(.,':(10(.;*6%,'-(-),-*#-,'(0#(*/;".*6%,'*58/2,'F"x(.:81' /,17;7#,%0-%",';,%*1:)(%7#*-"#0*:-"(1'(0*//"12-%"*-)"# +(,;**1/';(.,',#">#:"8%%7 -),'#-(.7'(0)(,6,'*=#(1'="-)'#(;,+*.-# (0-),'#,:(1/a=(@'=,.,'-),'%*#-:(;G +(#"-"(1# (0-),".'@"1/-)*-,12*2,/*1/**;8#,/-),':*+*:"(8#'-),':*1/"/'-),'6,1,G <(%,1-;"1/(0-)"# 2.,*-+"*8P4 4 ((% <(%""+' !?M "0,67)"# (13 ,/"-"(1 !U M

C =(#8;;.#"1:,**=*-*;*#*".'
),'#=,,-,#-0%(=,.'-)*-(<,.'6%(##(;,/'-),.,' I
E),1)(,6,*=#(1'2*"%7:.(##,/'-),'2.+,1D
4 ( )'1 % ') 0*0C D

-.(--,.B# ,;(".# (0 (>'++'UL 'UL .# (>

/$ $+<* ,66*+? ,- 3,< 4.6 4* 3*+ 3, .-*+?. .+<. *+G <, ,<. 4* 3*+ .# ,*=0, 4 0, , . /0 7. / 0 &- /N 3, </ /-6 4, -, . 4.=6 /5, +. 0/- 3, 4, . 7, - 4.6 , N -, 1, = 3/ 0 7/6, 47/ 3.< .88,66 / **1 <$-*+? 3, .6 1, .+G 87/ =<.=6. * 4.6. . .+= /+, 1/1, +. .1, -, .88*<, + 47/ 4, -, .8 $. =*+ 3, 3, <87.13, - 4* 7 7*1. 47/ 4, -, 5.8*+? 3, .<B/*+*+? C//16. /- ?*#*+? #, + / 7, *- ?-*, 0 *+ 7, <*6 .+ 8/-+, -6 /0 3, .BX.*0 1, +6 .87 4.6 .8 $. = 3= 3*6 3, <6*<, <$-*+? 6/1, 5.- /0 3, <.=. .+< . /0 . , .6 6, #, + /- , *?7 5, -6/+6. 4, -, 8/+6 .+ = 4* 3*+ 8. /0 3, -//1 *+ 47*87 3, .=. /- *+ . , +<.+8, $5/+ 7*1

3, .6 4/-<6 47*87 3, $, -, < 4* 7 .+= <*6 *+8 G +, 66.L 8/+8 $<, 6 /-< / .+<. 4, -, Y P <*, 7.55=C .+< P *>CY 3, .00, 8 */+. , .33-, #*. */+ *+ 47*87 3, 6. = .<<-, 66, < 3*6 4*0, , . , 15 , <. *+<, , <. / .- *8$. , 6/1, 7*+? 1/-, . 3$ 4, +/+, /0 $6 8/$ < .88$-. , =<*6G *+?$*67 3, 6/$+<6 + . #, -= 0, 4 1*+$, 6 .0 , - 7*6 0-$* , 66 , +<, .#/$- / 65, .M *+ 3, , #, +*+? /0 3, 9 3 50 ', 5 , 13, -. 9; K. 7, , N5*-, < 4* 7/$.?-/.+. .+< 4* 7 . 6, -, +, .+< 5 .8*< 8/$+ , +. +8, . 47*87 6, , 1, < , #, + .0 , - <, . 7. / -, 5-, 6, + 7, 3, +, #3 , + 65*-* 47*87 7.< .+*1. , < * L / /-/N.L 4-* , 6 /-< '*<1/$ 7. /+ 7, 0/ /\\-*+? <.=. 8 /6, < 7*6 8.-, , - =, 6 , -<.= , #, +*+?2. .+< -$6 *6 *+ 5, .8, , 6$00, -, < * , . 3$ 4.6 /88* 0 6*/+. = <, B, 8 , < + ?, +, -. 7/4, #, -. 7, 5-, 6, -#, < 7*6 8/15 .8, +8=. .+< 61* , < 47, + .+= 0-*, +< .55-/.87, < 7*1. , #, + 47, + 7, 8/$ < +/ 8/+#, -6, L 0 7, ?*.+ 0 -.8/ *6 , N *+8 .L 4-* , 6 /-+, - / A, 0*-, =I .+< 4, .-, , 0 *+ 7, 7.+<6 /0 * , /+, 6. 47/1 4, M+/4 /3, <*1*+$ *#, . 7.#*+? 1, .6$-, < 7, 1 .?.*+6 7, / 7, -6 L. + 7, 9 7 /0 8/3, - /N0 5 -, 1.*+6 4, -, *+ , --, <

[(./ (%%*1/B# , ; (".# (0-), E)"2 *.-7 <(% "" ++ 9 -, *1 , R, =3 "0, (0 (./ "/ ; (8-% "" + U!U
, ; (".# *1/ (..,#+(1/,1(, (0 .*1:"# (; ,. <(% "" + ! !

4* 7 8/+6*<,-.3 , 6 . , .+< 6/ ,1+* = *+ RF,6 1*+6 , - 33,= 4* 7*+ ,*?7 , ,+ *+87,6 /0 7, ?-.#, /0 7*6 * $6G -*/$6 -*#. I F* *. 1 *

C ,1"8# *1/ -*#-, *1/ -*%,1- 2(1,
(. ,<, - (; 6, /6,1,*-) -) , #-(1,
E) , . , 4 -* ; "12 -) (82) - ( )8 ; *1 +."/ , 4
% ", ; "2) -7 :)",0# #%, , +# "/ , 67 #"/ ,
. (+ 8+(1 (>3# 2.*<, -) , -, *. I
B = "%% -.", @%, - ( )"# ."<*%3# 6", .
S 3, . "--3# -) , "1(8 ; 08% . ,A8", ; #(81/ B
1/ (>3# #) *%% -) , 1(-, # . ,6(81/
) , #(%, ; 1 , :) (#, , ; # -(, .7 4
M , . , %, -) , ". /"#, (. / ="-) -) , ; / ",
+, *@ 1(- 0(. -) (#, *# #, +*. *-, / ((; '
E) (; * -, ; * /, 6. (-) , .# "1 -%", - (; 6?
* - #, *. :) -) , %*1/ (0%"<"12 ; , 1
E) , . , = "%- -) (8 0"1/ -%", ". %"@, *2*"1 f3D ' F
' ; / 1-. (/8 :-"(1 -(*1-(

88/-<*+? / 7, 5-, B$<*8, < .88/$+ /0 /-< / .+< Y 7, *+? 7.< 4 . 87, < 7, 5-/?-, 66 /0 &- /NG <*6/-<, - .+< 8/$ < 7.-< = 6$55-, 66 7*6 *+<, 8, +* , N$. */+ . 7*6 <, . 7 L 7*6 *6 *+8/--, 8 Y 4, 7.< . 1/6 .<<, < 8-$, = *+8/--, 8 /@$/ , 7, ?, +, -/$6 4/-<6 /0 @$* , .6?//< . F 7*E .6 /-< / .+< Y F , 7.55, + /M+/ 4 0-/1 7, 8, - .*+ , 6 *1/+= /0 7, . , $87, 66 /0 /$8, 6 , - Y 47/ 4.6 4* 7 7, - 0. 7, - 47, + 7, 1, 66.?, 4.6 <, *#, -, < Y 7. 7, *+? , N5-, 66, < +/ 6. *60.8 */+ 3$ -, ?-, I .+< 7. 7, .<<, < 7, -, 1.-M 7. 7, 8/$+ -= 8/$ < 7, + * .00/-< / /6, 6$87 . 1.+ L 0 7, 0.8 *62 7. 7, >, . .+< .3* * = <*65 .=, < 3= /N 47* , .6 *+ /00*8, 8/1G 3*+, < 4* 7 7*6 +. $-. 5/4, -6 /0 5 , .6*+? 7*6 .3.+</+G 1, + /0 7, @$, 6 */+ /0 (.7/ *8 1.+8*5. */+ .+< 7*6 8/+6 .+ , +<, .#/$-6 / 4*+ 7, 8/+0*<, +8, /0 7*6 ' /#, G -, *?+ 7.< ?/+, 0.- / -, 8/+8* , 7, *+? / 7, , 1*+, + 6 . , 61.+ 47/1 /0 . 7, 5$3 *8 1, + /0 7*6 <.= 7, 7.< <*6 *M, < 7, /+?, 6 .+< 5, -7.56 <-, . <, < 7, 1/6 * , <*< 7*+M2L 4, -, 7, *+?0 -, 1.-M.3 , 4/-<6

I (./ (%%*1/3# , ; ("."# (0 -) , E) "2 *.-7 <(% "" + U - "." (; : =1R , = "#3# / ; "1"#-.*-"(1# (0 ., *- ."-*"1 +

+/4 5-/8,,<6 . .?//< -/$+< -/ F7,+ 7, 4,. 7,- *6 $+0.#/$-.3 ,2 7, *+?- , *-,6 /7*6 0.#/$-* ,6* *+?0 -//12 .+< 6,+<6 0/- ,+,-. 6 * >-/=/- &.++,-6 5 5 .= . 87,66 4* 7 7*1 *6 &.B,6 =2 47/ M+/46 7, ?.1, 4, 2 *6 7*?7 = 5 ,.6,< 47,+ 7, 7,. 6 7, 0/-1,-2 7. ?,+ ,1.+ 3,*+?.+ ,N8, ,+ 5 .=,-

7, *+?< *+,6 -,?$.-= . 4/ /08 /8M2 7, Q7,,5 .+< -*+8,66,6 . 0/$- *6 &.B,6 = #*6* 6 .+< .M,6 . ?.66 /0 4*+, 4* 7 7, 1 . 0*#, 0 ,- 7*6 5,-*/< 5$3 *8 3$6*+,66 *6 0-,@$,+ = -.+6.8 ,< 3= 7, *+?5*+ 7*6 /4 6 $<=2 47,-,*+ 7, *6 . ,+<,< 3= 7*6 5-*#. , 6,8-, .-= (/ /+, .= /-

7, ,#,+*+?*6 .6 6. 5.66,< . 8.-<6 *+ 7, Q$,,+06 <-.04*+?--//12 47,-, 7-, .3 ,6 .-, 6, /$ /7,6, 5.- *,6 1.+= /0 7, 5-*+8*5. +/3* * =2 U82 -,6*<*+?* *+ 7, +,*?73/$-7//< .-, *+#* ,< F7,+ 7, (.6 , 8 /8M 6 -*M,6 ,+ 7, #*6* /-6 -, *-, 7, 6$55,- *6 6, /$ 2 3$ 7. *6 1,-, = .1. ,- /0 0/-12 .+< /0 47*872*E5+*E /0 7, 0.1* = 5.- .M, 7,6, * $6 -*/$6 5,-6/+.?,6 -8 **I, . , ,#,+ /-,6 0/- 7, +*?7 7, B/$-+. /0 /+, <.= *6 7, 7*6 /-= /0 .47/ , =, .- L

9; : *E* 7 7, <,. 76 /0 * .+< /N2 7, 5/ * *86 50 7, 5,-*/< 8,.6, /8-,. , .+= #,-= ,N8* *+?* *+ ,-,6 2 .6 0*$2C .*B ,.6 .62 =E* 7 /+, /- 4/ ,N8,5 */+62 7, = .-, 8/++,8 ,< 4* 72 7, 5,-6/+. 7*6 /-= /0 7, ' /#,-,*?+ 2 7, =/$+?,- -.852Q20 6 . ,61,+ Y 7, ,-8,#. 62 7, (.++*+?62 .+< 7, (.6 ,-,.?76 Y E47/ 7.< 6$88,,<,< / 7, 5 .8,6 #.8. ,< 3= * 2 /N2 $-M,2 /-72 .+< '7,-*<.+2 +,* 7,- ,@$. ,< 7, 3-* *.+ 5/4,-6 /0 B7,*- 5-,<,8,66/-62 +/- 4.6 * *M, = 7. 7, *+?2 . 7*6 *1, /0 *0,2 67/$ < 7.#, 3,,+ ,.?,- / 0/-1 +,\= 5/ * *8. 0-*,+<67*562 /- ,+?.?, *+ +,4 5/ * *8. 7/6 * * *,6 ,6*-/$6 /0 5.66*+? 7, -,1.*+<,- 50 3* * <.BE6 *+ 5,.8, .+< @$*, 20 1/6 E 4* *+? = 4/$ < B, E.=, ,0

I :(.2(-)( )".//)"# 8.-)8/ *;"%7I <(% ""N+ ! !9! ((./ *%"1(#68"973# "*.",# <(% "< +!

5-/5/6. ' </' +/ ' -,6$ ' 0-/1' .+=' 6 *?7 ' 1/ *#, ' 7,=' 7.#,' +,#,-' #.-*,<I' 0/-0 7,= .-*6,' 0*0/10 7,' 5-*78*5 /6' 3=' 47*87' 7`' 7.6' 3,,+' ?$*<,<' 7-/$?7' *0,2 .+<' /' 47*87' 7,' *6' <, ,-1*+,<' /' .<7,-,' +' 7*6' @$,6*/+2 .' *+,' 7.6' 3,,+' <-.4+' 0-/1' 47*87' 7,' 8.++/' <,5.* 2 +/-' 8.+' .-' '5,+8,-' 3,' 6$-5-*6,<' 7.' 6$87067/$ <' 3,' 7*6' &.B,6 =06' 0,, *+?62' .6' 7,' 8.++/' 7.#,' 0/-?/ ,+' 47.' /88$*#,<' 47,+' 7,' 6$3B,8' 4.6' 3-/$?7' 0/-4.-<' 6/1,' =,.-6' .?/' ,' 7.<' 7/5,<2' *+' 8/+6,@$,+8,2 7.' *' 4/$ <' +,#,-' .?.*+' 7.#,' 3,,+' .?* . ,< L ' / 7*+?2 6$-, =2 8.+' 3,' 1$87' 1/-,' <,8*<,<' 7.+' 7*6' .+?$.?,2 =, 2 /+ =' 4/' <.=6' .0 ,-G 4.-<62' 4,' 0*+<' 7,' *+? Y 47, 7,-' *+' <,0,-,+8,' /' 73' B$<?1 ,+' /0' 7,' (.3*+, 2 /-' , 6,' 8/+#*+8,<' 3=' 7,*-' **0? *0 1 ,+ 6 Y ?-.8,0$ =' 8/+8,<*+?' 7,' 5/*+' /' 7*6' &*+*6 ,-6' Y

' ' (' ' K ' ? "

'GK C'U%2%K 0' (3 9'-! '

C'),' "12')*# ; *-8.,%7' :(1#"/,.,/' =)*-' " ' #-*-,/' "1' (./' .,1<'%%,3# %,--,.' (0' -),' -)' "1#-*1-' *1/' -),' *: :(;+*17"12' ; "18-,' (0' *6"1,-' ,' "# /"#+(#,/' "1' -)"#' *# "1' *%% (-),.' "1#-*1:,#'-(' /(' 08%% 58#-":,'-(' -),' ; (-"<,# =)":)' "10%8,1:,' *17' */<":,' =)":)' ; *76,' #86G ; "--,/' -(')" ;' 67' (./' .,1<'%%,' *1/')"# (-),.' :(10"/,1-"*%#,.<*1-#? *1/')(=,<,.' +*"108%')"# *5,#-7')*# 0(81/' "-' -(' .,:(1:'%,'-(')"# 0,,%G "12# -),' .,; (<*% (0' (65,:-"(1# -(' *17' +.(+(#*% =)":)' ; *7')*<,' ,<,1' -),' ; (#-' /"#-*1-WUq.,0,,.1:,' -(' *' A8,#-"(1' =)":)')*# *%.,*/7 6,,1' -),' #865,:-' (0' #8:)' 0.,A8,1-' *1/' /"#-.,##"12' .,0%,:-"(1'),' ="%% 1(-' 81/,' -),' :".:8 ;#-*1:,# "1' =)":)' "-' "# #(' ,*.1,#-%7' +.,##,/' *1/' */<,.-"12' +*.-":8%*.%7-(' =)*-' +*##,/' "1' ' +.,<,1-')"# "1"#-,.# #86 ;"--"12' -(' -),' :(1#"/,.*-"(1' (0' *.%"* ; ,1-' -%"' +.(+.",-7' (0' "1#,.-"12' -),' +.(+(#,/' :%*8#,' "1' -),' 8-"17' "%%' E)"%,')(=,<,.' -),' "12' #(' 0*.' .,%8:-*1-%7' :(1:,/,#'),' :(1#"/,.# "-' 1,:,##*.7-(' /,:%*.,' -)*-')' :*11(-' 2(' (1,' #-,+' 08.-),' ? *1/')' -.8#-#-)*-' -)"# +.((0(0')"# 0(.6,*.*1:,' ="%% #0,:8.,)" ;' 0.(;' 6,"12' *-' *' 08-8.,' +,.'(/ /"#-.,##,/' 67' *17' 08.-),' +.(+(#*% :(11,:-,/' ="-)' -)"# A8,#-"(1

C' ' D'-

I' (./' (%%*1/3# , ; (".# (0' -),' E)"2' *.07' - ' "" ' +' ? ++:1/"B-' F,,' ' +'

-' (./' (%%*1/3# , ; (".# (0' -),' E%""2' *.-7' <(%' "" ' ++' ! ' U? +:""/">' -

/88.6*/+ 7/4,#,-Y47, 7,-0-/1 7,<,0,8*#,6 . ,/0***6 ,=,6*?7 /- 7. 7,8/+6*<,-,< * 6+5,-0$/+6 /,N.1*+, 7,</8$1,+6 .0 ,- 7,6 -/+?#, /8/+ .*+,<*+7*6+/ , /0 7,9 7 /0 ,3-$.-=Y7,-,*$1,< 7, * $+-,.< .+< 8/+6,@$,+ = 4*7/$ /00,-*+? .+= /3B,8*/+ /7, 5-/5/6,< ,+.81,+ 7$6*+<*-,8 = .-1,<4*7 7, -/=. .$7/-* = /-< /4*8M 7,+,N <.= F,<+,6<.= 7,_7 6,+ /00 .<,65.87 /-,.+< *+*1.*+? 7. 7, *+? 7.< 8/15*,<4*7 7, 4*67,6 /0 7,(.3*+, .+< 7. 2* 4.6 7*6 *+ ,+*/+ 7,*C,0/-,/+ 7,0/ /4*+? <.= /1/#,0/- ,.#, /*+-/<$8, 7, * *+ /7,'/$6, /0 (/11/+6 E

+ 7,1,.+ *1, 7/6,1,13,-6 /0 7,&*+*6 -= 47/ 4,-,/55/6,< /(.7/*8 1.+8*5.*/+ 7.< 3,8/1,+/ ,66 . .-1,< . 7,.-?,+,66 /0 7,8/+8,66*/+6 47*87 7,*-8/ ,.?$,6 5-/5/6,< /6$31*/ .-*.1,+ 7.+ 6$-5-*6,< . 7,$+@$.*0*,<.66,-*/+6 /0 /-<6 --,+#*A, .+< /4*8M 7. 7, *+? 7.< <,*3,-. , = 6.+8*/+,< *E1 #,-.+< /=,-.?.*+ 3/7*+ 5-*#. ,8/+#,-6.*/+ 4*7 7/6, 4/ /-<6 .6 4, .6 . 7,1,,*+?6 /0 7,(.3*+, /-< '*<1/$7 ,N5-,66,<7*6 8/+#*8*/+ 7. 7, *+? 4.6 /+ = 7.0*+0/-1,<*+ 7,1. ,-I . 7, 6.1, *1, ,.-+,6 = $-?*+? 7, 4*6</1.+< 5-/5-*, = /0 -,1/#*+? . 1*6.55-,7,+6*/+ 0-/1 7,-/=. 1*+< 5-,#*/$6 = /6$31* *+? 7,1,.6$-, /7,8/+6*<,-.G */+ /0 .-*.1,+ -?1+,+ .+< ,+ -,. = 7/4,#,- 5-/#,< ,@$. BE $+.#.** +?I .+< 8/+6,@$,+ = /-< '*<G 1/$7 +/ /+ = *+ *1. ,< /-< -,+#* ,7*6 *+ ,+0I */+ /0 /55/6*+? 7, * <$-*+? *6 5-/?-,66 7-/$?7 7, /$6, /0 /-<6 3$7,. 6/ <,,1,< * 7*6 <$ = /<,1.+< .+ .$<*,+8, 4*7 7*6 '/#,-,*?+ 0/- 7,5$-5/6, /0 4.-+*+? 7*1 /0 7,5,-*6 47*87 *+ 7*6 /5*+*/+ 4,-, 6.#87_ *15,+<*+? /#,- (7$-87 .+< ' . , 7, *+? 4.6 .

I (#,3# "*.",# <(% "" + !!!? , ,=3# "0,(0 (./ "/ ; (8"6 <\5% "" ++ UL UL UL

*1,' 5.62 *.A' 3,,+' 6 ,. *+?' *+' 3=' <,?-,,62 .+<' 47*87' 4.6' ?-.<$. ='?-/4*+?'6-/+?,-' .+<'6-/+?,-' 7,'6.' .-?$1,+6' .+<'8/$+ ,-0.-?$1,+6'4,-,'1.<,'$6,'/0'/+' 3/7'6*<,6'/0'7,' /$6,I'7,'-,6$'3,*+?'7.'7,' *' 4.6'-,.<0/-'7,'0*-6'*1,2

6-,66,<.+<'+<*?+.+'.6'7,' *+?'1$6'7.#,'3,,+2 /+' ,.-+*+?'7.2+/4*76.+<*+?'7*6'5-/,62 7,' *' 7.<3,,+'*+-/<$8,<*+/' .-*.1,+2 7,'+,#,-7,,662 /'7,'6$-5-*6,'/0',#,-='/+,2 1.+*0,6,<3$' * ,'/$G 4.-<'<*65,.6$-,'I+,*7,-'<*<'7,'8/11$+*8.,'/'.'6*+?,' 5,-6/+'7,'6,56'47*87'7,'*+,+<,<'/'.M,'*+'8/+6,G @$,+8,'/0'7,'-,.1,+'47*87'7,'7.<,N5,-*,+8,<' -$,' *'*62 7.'7,' /<'/-<' -,+#* ,2.'<.='/-'4/'.0,-G 4.-<62 7.'7,' +,#,-'7.<8/+6,+,<2.+<'+,#,-'4/$<8/+6,+'/'7,'1,.6$-,2T'7*+*+?'.6/'6*?+*0*8.+='7.2 4*7'.'#*,4'/'7,'5-,#,+*/+'/0'.'0$$-,'1*6.M,62L' *'4,-,'3, ,-'7.'7,'-,6/$*/+6'/0'7*6'&*+*6,-6'67/$<3,'6.,<'/+'5.5,-L'A' ,=/+<'7*62 7/4,#,-2 7,='4,-,' $+.3,'/'/3.*+'.+='*+6*?7'*+/'7*6'0,,*+?6'.+<'*+G ,+*/+6I'+/-'4,-,'7,' ,.<,-6'/0'7,' 55/6**/+'1/-,' ,+*?7,+,<'7.+'&*+*6,-62 '/'6$-5-*6,<2*+<,,<2 4,-,' 7,='.'7,' *+?06-,*8,+8,2 7.'7,='3,?.+'/'0,.-'7.' 7,'7.<?-/4+'.5.7,*8'.+<'*+6,+6*3,'/'47.'4.6' 5.66*+?L' F,'4,-,'/.='*+'7,'<.-M2L'4-*,6'/-< &.1,63$-=2.6'/'47.'4.6'?/*+?'/+2L[' H+<,-'7,6,' 8*-8$16.+8,62 7,' $M,'/0'/-.+<2.'7,'*+6*?.*/+' /0'/-<&.1,63$-=2<,,1,<7*16,0'B$6*0*,<'*+'.<+?' '*18/+6*$*/+.'6,5'/0'4-**+?'/'7,' *+?2-,G 8/11,+<*+?'7*1'/'-,6*6'7,' *HI'.'7,'6.1,'*1,' #*-$.='/00,-*+?'7*16,0'.6'/-<' -,+#* ,06'6$88,66/-'E

I'1*.%"*;(1-*.7' ,6*-,#'<(%'">':(%'
-' (./' *%;,#68.73# "*.",#'<(%'"<'++'! ' ! !?'.,%%:=3#' "0/'(0' "/;(8-6'
<(%'""'+'U
' (./' (%%*1/B# ,;(".#(0'-),'E ""2' *.-7'<(%'""'+'!
Z' (./' *%;,#68.73# "*.",#'$(%'"<'++'!
' 8:@%*1/' (..,#+(8/,1:,'<(%'"<'+' !

7,' $M,05 , ,-' /' 7,' *+?2 <. ,< *,' 9 7220 /0' &.-872 *6' 0/- $+. , =' ,N .+ ' +' 6/' 1/1,+ /$6' .' 8-*6*62L2 7,' 4-* ,62 47,+' 7,' 1/6' #,+,-. ,< .+< 6.8-,< 7.--*,-6' /0' 7,' (/+6 * $ */+' .-,' 3,*+?' $+<,-1*+,< .+< 6.55,< 0/-' 7,' 5$-5/6,' /0' *+ -/<$8*+?' .' +,4' 6=6 ,1' *+ /' (7$-87' .+< ' . ,2L' 7,' 7$13 =' 8/+6*<,-6' * ' 7*6' <$ =' /' 6$??,6' /' 7*6' &.B,6 =' 7,' .<#*6.3 ,+,66' /0' .M*+?' 7,' 8/+<$8' /0' 7*6' .00.*-6' /$' /0' 7,' 7.+<6' /0' 7*6' 5-,6,+' &*+*6 ,-62 .+< -$6 *+?' /' 7,' +. */+P /' 6$Bd5/-' 7*1' *+' 7,' <,0,+8,' /0' 7,' ,6 .3 *67,< .46' /0' 7,' -,. 1' /-' 7*16, 02 .<<,<' 7,' $M,2 +/ 4* 76 .+<*+?' 7*6' =,.-6' .+< *+0*-1* *,6' * ,' @$. *0*,< 7*1' /' .M,' 7,' ,.< *+' 7*6' &.B,6 =05 8/$+8* 62 =, 2 67/$ < 7*6' '/#,-,*?+' -,@$*-,' 7*6' 6,-#*8,62 7,' 4.6' 5-,5.-,< 0.* 70$ =' .+< >,. /$6 =' /' 6 .+< 3=' 7*1' /' 7,' ,+< /0' 7*6' ,N*6 ,+8,

7,' *+?2 7/4,#,-2 4* 7/$' 4.* *+?' 0/-' 7,' .<#*8,' /0' 7,' 4, 01,.+*+?2 3$' /00*8*/$6 $M,2 7.< <*0,.<= <,8*<,< $5/+' 7*6' 5 .+' /0' .8 */+' +' 7,' 5-,8,<*+?' <.=2 F,<+,6<.=2 7,' 7.< 8/1,' $5' /' /+</+2 .+< """ *":)"" ' .+' *+ ,-#*,4' 4* 7' 7*6' &*+*6 ,-6' .' $8M*+?7.1' /$6,2 7.< ,N5 .*+,< 7*6' 6,+ *1,+ 6' .+< *+ ,+ */+6' /' 7,1' *+' .+?$.?,' 47*87' *' 4.6' *15/66*3 ,' 0/-' 7,1' /' 1*6*+G ,-5-, ' /' 7,' * 2 7,' 6.*<20 47*87' 7.< 3,,+' .*< 3=' 7,1' 3,0/-,' .-*.1,+' 7,' +,#,-' 8/$ < 8/+6,+ L' ,' -,?-, ,<2 *+<,,<2 7.' 7,' 7.< ,#,-' ?*#,+' 7*6' 6.+8 */+' /' .+=' 5.-' /0' 7,' 1,.6$-,2 .+< 67/$ < 8,-.*+ =' 7/ <R' *' .6' 7*6' <$ =' /' ,' 7*6' 6,+ *1,+ 6' /+' 7,' 6$3B,8' 3,' M+/4+' /' .-*.1,+' 7,' 6.1,' <.=' 7,' ,N5-,66,< 7*1G 6,0'*+' 6*1*.-' '6-/+?' ,-16'L' /' /-< '*<1/$ 7 0

H+<,-' 7,6,' 8*-8$16 .+8,62 7,' (.3*+,2 *+' 7,' 0*-6' *+6 .+8,2 7/$?7' 5-/5,-' /' 1/<*0=2 .+< 6$36,@$,+ =' <-/55,< . /?, 7,-2 7,' /3+/N*/$6 * I' .88/15.+=*+?

I' (./' *%;,#68.73# "*.",#'<(%'"<'++'! '!
]' 8:@"12)*;' *+:"9#'<(%'"<'+' !L' (./' *%"1:#6"87B,' "*.",#'<(%'"<'+'!
(R,=B#%"0,'(0' (./' "/;(8-)'<(%'""'+'U

7,*-' 8/+8,66*/+E' 7/4,#,-2' 4*7' .' 5-/#*6/2' 47*87' *+' 7,' ,=,6' /0' 7,' *+?' <,5-*#,<' 7,*-' *0/-3,.-.+8,' /0' . +* 6' 1,-* ' ' .' (.3*+,' 1,, *+?2' 7, <' /+' '$+<.=' 7, 9W 72' /-<' -,+#* ,2' .+<' 6$87' /0' 7*6' 8/ ,.?$,6' .6' 4,-,'5 ,<?,<' /' (.7/ *8' 1.+8*5. */+2' 5 .8,<' .' 1*+$,'2/+' -,8/-<2' /' 7,' ,00,8' 7.' +/' /+ =' <*<' 7,=' *+<*#*<$. =' -, .*+' 7,*-' 0/-1,-' 8/+#*8 */+62' 3$' 7.' 7,=' 8/+6*<,-,<' *' ' /3#*/$6 =' *+<*65,+6.3 ,' /' 7,*-' 5$3 *8' 87.-.8 ,-' 7.' 7,=' 67/$ <' /5,+ =' .#/4' 7,12' 3/7' /+' 7,' 5-,6,+' /88.6*/+' .+<' *+' 7,' 5/66*3 ,' ,#,+' /0' 7,' <*68$66*/+' /0' 7,' (.7/ *8' , * */+' *+' .-*.1,+ L ' 7*6' *15/-.+' <,8 .-. */+2' +,. ,+*+?' .6' *' <*<' /' -,0/5,+2' . ' .+=' 1/1,+2' .' @$,6G */+' 47*87' /0' . ' /7,-6' 7,' *+?' 1/6' <-,.<,<2' +. $G -. =' /88.6*/+,<' 7*1' ?-,.' <*6-,66' .+<' .-1' 7.' 6.1,' .1*.3 ,' 8/+6*<,-. */+' 47*87' 7.<' 3,+' 67/4+' 0/-' 7*6' -, *?*/$6' 68-$5 ,6' .+<' *+8-,.6*+?' =,.-6' 3=' * 2' .+<' .0 ,-4.-<6' 3=' /N2' 7,' *+?' 4.6' /0' /5*+*/+' 7,' 7.<' .+' ,@$.' -*?7' /' ,N5,8' 0-/1' 7*6' 5-,6,+' &*+*6 ,-6' 88/-<*+? =2' 7,' -,6/ #,<' ,* 7,-' /' /3.*+' 6$87' .' ?$.G -.+ ,,' 0-/1' 7,1' .6' 4/$ <' 5-,#,+' 7,*-' .?.*+' -/$3 *+?' 7*1' /+' 7,' @$,6 */+' /0' /1.+' (.7/ *8' ,*,02' /-' ,6,' /' </' 7*6' 3,6' /' 0* ' 7,*-' 5.8,6' 4* 7' / 7,-' .+<' 1/-,' 6 -.*?7 0/-4.-<.<#*6,-6' ' 7,' *+?2L' 4-* ,6' 7*6' &.B,6 =' /' /-<' -,+#* ,' /+' 7,' 9: 7' /0' &.-872' '8/+6*<,-6' * ' <$,' /' 7*16,02' .+<' 8/+6*6 ,+' 4* 7' 7,' 0.*-' .+<' $5G -*?7' 8/+<$8' 47*87' * ' 7.? 3,,+2' .+<' ,#,-' 4* ' 3,' 7*6' /3B,8' /' /36,-#,' /4.-<6' ,#,-=' /+,2' /' <,8 .-,' . ' /+8,=' 1/6' $+,@$*#/8. =2' 7.' $5/+' 7*6' 6$3B,8' 7*6' /5*+*/+6' +,#,-' 8.+' 87.+?,I' 7.' 7,' 8.++/' ,#,-' .?-,,' /' .+=' 8/+8,66*/+6' /' 7,' (.7/ *86' 47*87' 7*6' 8/+0*<,+ *.' 6,-G #.+ 6' 1.=' *+' 0$ $-,' 5-/5/6,' /' 7*1' I .+<' 7.2' $+<,-

I' (./' (%%*1/3' , ; ("."#(0'-%":' E)"2' *.-7' <(%' "" ' +' ! U' ++,1/">' ,--,.' 0.(;' (./' .,1<"%%,' -(' (./' 8:@%*1/' /*-,/' ""-%"' *.:)? ' "1' -),'9 8:@%*1/' (.,,#+(1/,1:,' <(%' "<' +' ' -' ##%"(8%/' 6(' ; ,1-"(1,/' -)*-' -),' 1-"9 *-)(%":' "1(;6,.# (0'-),' *6"1,-4 (./# .#%/1(' "/; (8-%" *1/' %%:16(.9(82) 4*6#,1-,/' -),;#,%<,#%"(;' -),' ; ,,-"12

7,6,' 8*-8$16 .+8,62' .+<' .0 ,-' 47. ' 7.6' 5.66,<2' 7*6' 1*+<'
8.++/ ' 7,' . ' ,.6,' $+ ,66' 7,' 67. ' -,8,*#,' .' 5/6* *#,'
.66$-.+8,' 0-/1' 7,1' 47*87' 67. ' -, *,#,' 7*1' 0-/1' . '
0$ $-,' .55-,7,+6*/+ L'

/' 7*6' <,1.+<' /+' 7,' 5. ' /0' 7,' *+?2' &*+*6 ,-6' 0, '
7. ' *' 4.6' *15/66*3 ,' 7. ' 7,=' 8/$ <' =*, <1' .+<' 8/+G
6,@$,+ =' /+' 7,' 0/ /4*+?' <.=2' F ,<+,6<.=2' /-<' *C,+0&.-87 *62'
#* ,' 4.* ,<' $5/+' 7,' *+?2' .+<' 0/-1. =' 8/11$+*8. ,<'
/' 7*1' 7,' -,6/ $ */+' /0' 7,' (.3*+, 2' 7,' *+?' *+@$*-,<'
47, 7,-' 7,' 4.6' /' -,?.-<' *' .6' 7,*-' 0*+. ' /+,2' .+<2' /+'
/-<' -,+#* ,' .+64,-*+?' *+' 7,' .0 '-1. *#, Y ' 7,+2L' 7,'
6.*<2' ' 1$6' //M .3/$' 1, L'0

7$6' ,-1*+. ,<' 7,' 3-*,0' &*+*6 -=' M+/4+' .6' 7,' -,+G
#* ,' <1*+*6 -. */+2' /-2' 1/-,' 0.1** .- =20.6' ' 7,'
. ,+ 6 L' ' 4.6' 7,' /5*+*/+' /0' 1.+=' 5,-6/+6' 7. ' .'
* ,' 1/-,' 5-$<,+8,' /+' 7,' 5.- ' /0'* 6' ,.<,-6' 1*?7' /+?'
7.#,' <, .=,<' * 6' /#,- 7-/4' f *+<,,<' /-<6' $8M .+<' .+<'
$8M*+?7.167*-,' 4,+' 6/' 0.-' .6' /' <,+/$+8,' * ' .6' .'
' 5/ **8.' 6$*8*<, L' /-' 7*16,02' 6.*<' 7,' . ,-' +/3 ,G
1.+2' 7,' 4.6' $6,<' /' 3,*+?' '3$00, ,<' .3/$ 3$ 2' .6' 0/-'
7,' /N' 5.- =' *+' ?,+,-. Y 8/+6*<,-*+?' 7. ' 7,=' 7.<' 3,,+'
6 -$?? *+?' 0/-' 5/4,-' 0/-' 7*- =' =, ,.-6' .+<' 7.<' ,+B/=,<' * '
/+ =' /+, Y*' 4.6' #,-=' 7.-<' /' 3,' $-+,<' /$' 3=' 7,' $+G
.88/$+ .3 ,' 1, .6$-,6' L' /0' /-<6' -,+#* ,' .+<' /4*8M A'
'7,-*<.+2' 47/' 4.6' 7$6' <,5-*#,<' /0' 7,' $8-. *#,' .55/*+ G
1,+' /0' -, .6$-,-' /0' 7,' .#=2',N5-,66,<' 7,' 6.1,' /5*+*/+222'
+' 3 ,-' .+?$.?, ' 7.#,' M+/4+2L' 7,' 6.*<2' 1.+='
1,+' M+/8M' 7,0-' 7,.<6' .?.*+6' .' 4. f 3$' ' +,#,-' 3,G
0/-,' 7,.-<' /0' .' 1.+' 8/ ,8*+?' 3-*8M6' .+<' 3$* <*+?' .' 4. '
0/-' 7,' ,N5-,66' 5$-5/6,' /0' M+/8M*+?' /$' 7*6' /4+' 3-.*+6'
.?.*+6' * L[' ' 6,,16' /' 7.#,' 3,,+' 5-, =' ?,+,-. ='
8/+8,<,<' .' 7,' *1,' 7.2' 7.<' /N' 3,,+' .*#,2' 7,' *+?

1' '"(."% (%%*1/3# (;("#(0'-),' E%82' *.-7'<(%'""'+'! ' ++,1/">'
-' "%,'(0' E"%6,.0(.:('<(%'""'5N'! '
-' (./' *%;,#68.73# "*.",#'<(%'"<'+'!
2' 8:@%*1/' (..(#+(1/(1:('<(%'"<'+'

4/$ +/#, 7.#, 3, , +5-, 66, $5/+ 7, 6$3B, 8 <0 /1.$ (. 7/ *8 , *, 0

+ 7$-6<.= 7, 9 7 /0 \ .-87 Y 7, <.= .0 , - 7, *+G , -#*, 4 3, 4, , + 7, *+? .+ /- -, +#* , . F*+<6/- RY7*6 &.B, 6 = 6$11/+, /-<6 </+ .+ .4M, 63$-= /7*6 5-, 6, +8, 7, .$<*, +8, /47*87 7, .<1* , 7, 1 .6 , 0/- 4/7/$-6 .+ .7.005.6 4/ 4.6 7*6 4*67 .6 7, *+? / 7, 1 7. 3, 0/-, 7, 6*?+*0*, 7*6 5 , .6$-, /7, 5.z 7, = 67/$ 3, 1.<, .8@$.*+ , 4* 7 7*6 -, .6/+6 0/- 7, *15/- .+ .+ 5, -7.56 7.>.-</$6 6 , 5 47*87 7, 7.< .M, + , 7, + .*< 3, 0/-, 7, 1 7, 8/--, 65/+<, +8, 47*87 7.< 5.66, < 3, 4, , + 7*1 .+ 7*6 . , &*+*6 , -6 2 ' 1*+$, = <, .* , 7, 5.- *8$.-6 /0 . 7. 7.< 5.66, < <$-*+? 7, -, 8, + -.+6.8 */+ , 7.< / 7, 6.*<0 8/+6, + , < / 7, 1/-, , N , +<, < *+<$?, +8, 6.+< 8/+6, @$, + = 47, + /-< /4*8M @$* , < 7, -/=. 8/6, /+ 7, _ 7 7, , * 7, - 1*6$+<, -6 //< /- , 6, .00, 8 , < / 1*6$+<, -6 .+ 7*1 *6 &*+*6 , -6 7, .<<, < 7.< 5 .*+ = *+ *1. , < / 7*1 7. 7, = -, 6, -#, < / 7, 16, #, 6 7, 5-*#* , ?, /0 5-/G 5/6*+? *+ .-7.1, + . .+= 0$ $-, 5, -*/< 7, -, 1/#. /0 -, 6 -*8 */+6 0-/1 7, /1.+ (. 7/ *86 ; H+<, - 7, 6, 8*-8$16 .+8, 6 7, 5$ * / 7, 4/ /-<6 47, 7, - 8/+#, -6.+ .6 7, = 4, -, 4* 7 7*6 6, + *1, + 6 /+ 7, 'I$3B, 8 /0 7*6 -, *?*/$6 /3*?. */+6 *15/6, < $5/+ 7*1 3= 7*6 (/-/+. */+ . 7 7, = 8/+6*<, -, < 7, 8/$ < 7.#, .8 , < / 7, -4*6, 7.+ 7, 7.< </+, S 4.E 6*15 = 7, 6.*< . 1, .6$-, /0 +, 8, 66* = , 7.< 3, , + , 0 +/ / 7, - /5*/+ 3$, * 7, - / <*61*66 -7*6 &*+*6 , -6 /- 0/-0, * 7*6 8-/4+ 6 0/- 47. 1*?7 3, 7, 5/66*3 , 8/+6, G @$, +8, 6 /0 7, 6 , 5 47*87 7, 7.< .M, + 7, *+? //M 7, -, 65/+6*3* * = , + *-, = $5/+ 7*16, 0 7, /$6, /0 7, 1. , - 7, 6.*< 7, 7.< 1.<, $5 7*6 1*+< / 8/1G 1$+*8. , 4* 7 +/ /+, 6*+? , 5, -6/+ /+ 7, 6$3B, 8 , 7.< +/ , #, + 65/M, + /0 * / 7, -873*67/5 /0 (.+ , -0

3$-=ʻ **/$?3ʻ 33ʻ .*, 4ʻ 7*1ʻ /ʻ 3,ʻ 6 .$+87ʻ /+ʻ 7,ʻ 6$3B,8ʻ /0ʻ (. 7/ *8ʻ 1.+8*5. */+ 0ʻ 7,6,ʻ .+< 6$87ʻ / 7,-ʻ 5.- *8$.-6ʻ .6ʻ 7,ʻ *+?ʻ 8/1 1$+*8. ,< /ʻ 7,ʻ 4/ʻ /-<6ʻ 7,ʻ <,6*-,< 7.ʻ 7,=ʻ 4/$< .ʻ /+8,ʻ -,5,.ʻ /ʻ 7,ʻ $M,ʻ /0ʻ /- .+<ʻ 6*?+*0=*+?ʻ 7*6ʻ 5 ,.6$-,ʻ /ʻ 7*6ʻ --.8,ʻ *1 1,<*. , =ʻ /ʻ 6,ʻ .3/$ʻ 0/-1*+?ʻ .ʻ +,4ʻ <1*+*6 -. */+ʻ ʻ ʻ 7.#,2Lʻ 7,ʻ 6.*<ʻ ʻ+/ʻ -,6 -*8 */+6ʻ +/ʻ ,N8,5 */+6ʻ /ʻ .=ʻ /+ʻ 7,ʻ $M,I +/ʻ ,+?.?,1,+ 6ʻ /-ʻ 5-/+**6360ʻ ,ʻ 1.=ʻ <*65/6,ʻ /0ʻ,#,-= 7*+?Iʻ /+ =2Lʻ 7,ʻ .<<,<ʻ A.$?7*+? = Yʻ F,6 1/-, .+<ʻ 7.#,ʻ .ʻ 5 }8, Lʻ 7,ʻ *+?ʻ . 6/ʻ 6$??,6 ,< 7. ʻ .6ʻ .ʻ 1.-Mʻ /0ʻ -,65,8ʻ 0/-ʻ 7,ʻ 1,1/-=ʻ /0ʻ &-ʻ * ʻ 7,ʻ .-ʻ /0ʻ (7. 7.1ʻ + *?7ʻ 3,ʻ 8/+6$,<Iʻ 0$- 7,-ʻ 7-/4*+?ʻ /$ʻ .ʻ 7/5,ʻ 7.ʻ .ʻ 5 .8,ʻ 1*?7ʻ 3,ʻ 0/$+< 0/-ʻ 5/-< (7.- ,6ʻ '/1,-6, ʻ 47/6,ʻ 4*0,ʻ *ʻ 4/$<ʻ 6,,1ʻ 4.6ʻ .ʻ 5.- *8$.-ʻ 0.#/$-* ,ʻ /0ʻ 7,ʻ -*+0ʻ 8,66,6*0ʻ 7,ʻ*+ ,-#*,4ʻ 3,*+?ʻ +/4ʻ .ʻ ,+<ʻ 7,ʻ 4/ʻ /-<6ʻ 7.6 ,+,< /ʻ /+</+ʻ 47,-,ʻ 7,=ʻ 4.* ,< $5/+ʻ 7,ʻ $M,ʻ /0ʻ /- .+<ʻ .ʻ $- 1? /+ʻ /$6,ʻ .+< <, .* ,< /ʻ 7*1ʻ 7,ʻ 5.- *8$.-6ʻ /0ʻ 47.ʻ 7.< 5.66,<*+ʻ 7,ʻ -/=.ʻ 8/6,ʻ 7,=ʻ 0$- 7,-ʻ *+0/-1,< 7*6ʻ -.8,ʻ 7.ʻ +/ʻ /+ =ʻ 7.< 7,=ʻ +,#,-ʻ 6,,+ʻ 7,ʻ *+?ʻ 1/-,ʻ 8/ ,8 ,< /-ʻ 1/-`ʻ 8/15/6,ʻ 3$ʻ +,#,-ʻ 1/-,ʻ 87,,-0$ʻ A

,-6/+. =ʻ 7,ʻ *+?ʻ .+< 7*6ʻ . ,ʻ 0*-6ʻ &*+*6 ,-ʻ 6,,1ʻ /ʻ 7.#,ʻ 5.- ,< /+ʻ#,-=ʻ 0-*,+< =ʻ ,-16ʻ /-ʻ *+6 .+8,ʻ 4,ʻ 0*+< /-< -,+#* ,ʻ 4-* *+?ʻ /+ʻ 7,ʻ 9; 7ʻ /ʻ 7,ʻ '5,.M,-ʻ /0ʻ 7,ʻ /$6,Cʻ /0ʻ (/11/+6ʻ 7.ʻ 7,ʻ 7.6ʻ ʻ,N5,-*,+8,< 1$87ʻ 5,-6/+.ʻ M*+<+,66ʻ <$-*+?ʻ 7*6ʻ 3$6*+,66ʻ 0-/1ʻ 7,ʻ *+?ʻ 47* ,ʻ /+ʻ 7,ʻ / 7,-ʻ 7.+<ʻ 4,ʻ 0*+< 7,ʻ *+?ʻ ,N5-,66*+?ʻ 7*16, 0ʻ +/ʻ ,66ʻ 6. *60*,< 4* 7ʻ 7,ʻ 8/+<$8ʻ /0ʻ /-< -,+0ʻ #* ,ʻ ʻ &/-,/#,-ʻ /ʻ ,.87ʻ /0ʻ 7*6ʻ / 7,-ʻ . ,ʻ &*+*6 ,-6ʻ .0

ʻ 1ʻ -),ʻ 1,=ʻ "1"#-,."*ʻ *..*12,;,1-#ʻ (./ʻ E,#-;(.,ʻ*1/ʻ 6,,*;,ʻ (./ʻ ."<7ʻ ,*ʻ *1/ʻ (./ʻ)*-)*;ʻ *#-,.ʻ ,1,.*ʻ (0ʻ-),ʻ ./1*1:,
-ʻ),ʻ ."1:,##,# *++,*.ʻ -(ʻ)*<,ʻ 0(.;,/ʻ),.ʻ *:A8*"1-*1:,ʻ *-ʻ E,7;(8-)ʻ =),.,ʻ (./ʻ)*.ʻ,#ʻ #,:(1/ʻ#(1ʻ(0ʻ ,1.7ʻ0"0-)ʻ 8@,ʻ(0ʻ ,*80(.-ʻ*1/*ʻ ,1,.*ʻ"1ʻ-),ʻ .;7ʻ)*/ʻ 6,,1ʻ "1ʻ :(881*1/ʻ (0ʻ-),ʻ ;"ʻ-*.7ʻ 0(.:,ʻ */7ʻ)*.ʻ,# (;,.#,-ʻ =*# 0(8.-)ʻ /*82)-,.ʻ(0ʻ E"ʻ"*;ʻ#,:(1/ʻ $"#:(81-ʻ (8.-,1*7ʻ B
ʻ (./ʻ *ʻ;,#68.73ʻ "*.",#ʻ<(ʻ"<ʻ++ʻ! ʻ! ʻ!
Zʻ (./ʻ (ʻ:),#-,.Bʻ "*.",#ʻ<(ʻ""ʻ+ʻ !
Bʻ (./ʻ *ʻ;,#68.7Bʻ "*.",#ʻ<(ʻ"<ʻ++ʻ! 9

7,*-0.-,4, .$<*,+8,62 7, *+?+/ *0*,<7*6 6. *60.8*/+ .7,*-8/+<$8/+ ,#,-=/7,-/88.6*/+7$7.47*87 7.<8/+6 -.*+,<7*1/<*65,+6,4*7 7,*-6,-#*8,6 4.6/3,-,?-, ,<7.. 7*62 7,8/6,/0 7,/+?.+<1,1/-.3,7/6***,6 3, 4,,+7, *+?.+<7, ,.<,-6/0 7, F7*?5.-=2 7` . ,-67/$<+/7.#,. G /4,<7,*-*+ ,-8/$-6,/ ,-1*+. , 7$6.1*8.3=.+< ?-.8,0$ = 6 6. 2 7/4,#,-2 7,=1.<,+/68-$5 ,/0 -.*6*+?7,/<F7*?4.-08-*,6/0 *+?06 0*0*,+<62L.+< 6,8-,*+0$,+8,3,7*+<7, 7-/+,2L47*872 0/-==,.-6 5-,#*/$6=2 ,/-?,-,+#* ,2 7,0.7,-/0 7,<*68.-<,< -,1*,-2 7.<0/$+<6/6,-#*8,.3,*+.<#.+8*+?7,*+ ,G -,6 6/0 7*6 5.-= /-< /4*8M2*+7, /$6,/0 (/1G 1/+62 ,#,+4,+6/0.-.6 /87.-?, /-<6 </+.+< . B-M,63$-=4*7 7.#*+?3,,+7,6,8-,2 1.*?+2.+<*+G 6*<*/$6.$ 7/-6/0 7,</4+0./0 7,. ,<1*+*6 -.*/+2 7/$?7+/ 7*+?8.+3,8 ,.-,-7.**4.6+/** 7,<.= 4 /-< -,+#* ,7.<-,8,*#,<7*6<*61*66.. F*+<6/-2 7., *7,-/0 7/6,4/ /-<62 7, <.+=8/11$+*8.*/+ 47. ,#,-4*7 7, *+?/+ 7, 6$3B,8+,.-,6 /7*6 7,.- 0B & =6/+ /-< .4M,63$-=2L4-* ,6 /-< *#,-G 5//// /-< $8M.+<2 4.6.6 1$87 6$-5-*6,<4*7 7*6 ,#,+.6 =/$ 8/$<3, ,+,#,-6.42+/-7.<.+=8/10 +$+*8.*/+4*7 7, *+?2 7/$?7 7,M+,4 7*6 &.B,6 =05 .00,8*/+0/-7*12 /0 47*87 7,4.6 .66$-,<3=6/1,/0 7,=/$+?,-*+8,66,6*+.88*<,+.8/+#,-6.*/+6 , ,0 1,/+ F,<+,6<.= 7,9; 7 /0 &.-872 . , ,#,+ /08 /8M .+*?7 2 +/M+/4*+?/-,N5,8*+?.+= 7*+? F7,+7,-, $-+,<7/1,7,0/$+<. , ,-0-/1 (/ /+, .= /-2 8/11.+<*+?7*1/3,.F*+<6/-. ,+ /08 /8M 7, +,N 1/-+*+?2 4*7 /-< </+L2 #,+*0 +/

I (./ (%:),#-,.3# "*.",#<(% ""+ U
K , ++L L ?*1/ ="##3# "0,(0 %/(8<(% ""+ !
8:@%*1/ (..,#+(1/,1:,<(% "<+! 9*/ (./R(=":@)*++,1,/-(*<,
.,1/-)"# +*##*2,(.%"*/),6,,1*=*.,(0-),:(1-,;+-8(8#;*11,."1=)":%"?-=(
7,*.#+.,<"(8#%7-),"12)*/#+(@,1-(#,(0 (./ *=@,#68.73# 8--,.0*"%8.,*#

/ *,- ,#*<,+8,- 4 ,-,- 0/- 78/ 1*+?2 7*6 5.66.?,2 8/ 13*+,<
4* 7 7,- *+?06 /4+- 6 . ,1 ,+ - 7. - 7,- 8/+6$,<+/ 6*+? ,-
5,-6/+2 4 /$ < 7,- 6$00*8*,+ - /- -,7,#,- 7*1 0-/ 1 7,- *15$ .G
/+ /0 7.#+?- 3, ,+ . 1 ,-,- 5$55, - *+ 7,- 7.+<6 /0 / 7,-6-
/- $+. , B2 7/ 4 ,#,-2 0$- 7,- 6. *60.8 /-= ,6 *1 /+= *6
0/- 78/ 1*+?- F 7,+2L 4-* ,6 '*- ,-3,- . .= /-2 7,-
87.+?,- /0 <1*+*6 -. */+ //M 5 .8,- *+ 9; :2 7*6 &.B,6 =
//M 8/$+6,- 0-/ 1 7*16, 0 /+ =2 *+ 7,- 8/1 1$+*8. */+6
4* 7 7/6,- 4* 7 47/ 1 7,- <*00,-,<l .+< . 1 4 .--.+ ,< *+
6.=*+?- 7. - 7,-,- ,N*6 ,< +/ - 7,- 6 *?7 ,6 - 0/*1<. */+ 0/-
7,- -,5/- 6 47*87 4 ,-,- 7,+ 65-,.< /0 .<#*8,- 6,8-, =
8/+#,=,<2 /- /0 *+0 $,+8,- 3,7*+< 7,- 7-/+,2 /- /0 8/ 1G
1$+*8. */+ <*-,8 /- *+<*-,8 4* 7 7*6 5-,#*/$6 &*+*6 ,-6
5,+<*+?- 7, <*68$66*/+ 4* *P 7, . ,+ 62C /- 3,0/-, 7,*-
-,5*/#. 0-/ 1 7,- <1*+*6 -. */+ 7.< 3, ,+ ,6 .3 *6E*,<
.=2 /+ 7. / 88 E*/+ 7,- 5 .8,< *+ 1=7.+<62 $+/5,+,<2
. , ,- .<<-,66,< /- 7*1 3= /+,- /0 7,- , .<,-6 /0 7,-
/55/6* ,- 5.- = f .+< < 7.#,- * / 7*6 <.= f9; ;X2 4* 7
. 1*+$,- /- 7. ,00,8 L - 7, , ,- -,0,--,< /- 3= '*-
,-3,- . .= /- 4.62 *+ . 5-/3.3* * =2 7,- 6.1,- 47*87 7,-
$M,- /0 /- .+< .<<-,66,< /- 7,- *+?- /+ 7,- 9 7
),- :(1/8:- (0 ,(.2,- -),-).". /- "1 -)8# /'#:*./"12
C),- *%,1-#D=*# .,2*./,/ 67 ;*17 (0-),- ="123# 0.",1/#-
1(%,## -)*1 67)"# ,1, ;",#- *# *1 *:- (0#"128%*. -, ;,."-7l
1/ "10-8*-"(1 ,.-*"1%7 "1 -),- ,<,1- (0)"# 0*"%"12 -(
#,:8.,- -),P#,.<":,# (0 (-),. "1'#-,.#-)"# #'-8*-"(1 ;8#-
1,:,##*."%7)*<,- +.(<,/ *< <,.7)8 ;'%"*-"12 (1, ."1,1/
*1/ 0(, *- *%% ,<,1-#= ,., *2.,/ "1 -)"1@"12 -)*- -),-
:)*1:,# =,.,- 2.,*-%7 *2*"1#- -),- "12 (./ %/(1 -(DI

,:.:-*"7 (0 -*-,'%",'9=(8%/ /(86-%,##6*<,-),#"-*-,/ 6,0(.,'6,'#(+86%":%7 "; +82"",-%
-),- :(1/8:- (0 -),- "12 (%9/ *9=@,#68.7 #*"/ -),- "12 -((#,- =*# 1(-
(1%7 C8--,.%7 810"- 0(.' 6"# #'-8*-"(1 P 68-)(' C *%=*7# *++.(*:),/)" ;'="-)' *' <*:*1-
@"1/ (0 2."1 *1/ 6*/)*./%7 ,<,.' *17-)"12 68#"1,##%"@,' -(' #*7 -(')"; E
0 '<("'"" '+ L ' ,- (./ *=@,#68.7'=),1 *.% (0 "<,.+((%'1(- (1%7 6,:*;,'
." ;' "1"#-,.'81/,.'-),- ,2,1:7'68- ., ;*"1,/ *- -%",'6,1/ (0 -), (<,.1;,1- 0(.'
1,*.%7 0"0-,,1 7,*.#'<"V '0.(;' 81,' '-(' +."%'
[' , ;*.@# (1 (' !L (0 -),' /"168.2)' ,<",='++'

47/1 7, -,. ' ',. 4.6 -,6 /-,2 @$,6 */+,< 47, *,-
7,67/$ < 3,5,-1* ,< /-, .*+**0/-.0/- +*?7 /-<
(.-*6,6.4 +/7*+?7$ 1*6,-=. 7/1,2.+<-,3,G
*/+**+-, .+<2L0 H+,66 8/+8,66*/+62 4,-, 1.<,/ *,
/1.+ (. 7/*862 6.*< /-< -,+#* ,2 7,8/$+ -=8/$ <
+/3,6.#,<LT 7,-,.<*+?6.,61,+/0 7,<.=2
/ 7, .+?06 ?-,. .++/=.+8,2 *+ -$<,< 7,*- -,1/+G
6 -.+8,6 $5/+7*12 ,*7,-**+4* *+?0/-, 6,**+* *+ ,-#*,46
*+7,-/=. 8/6, /-< $8M .+<2 47/1 7,7.< /+8,
/#,<2 .<<-,66,<. , ,-/0,N5/6$. */+ / 7*12 /0 4*+872
7/4,#,-2 +/+/*8,6,,16 / 7.#,3,,+ .M,+ [,*7,-
<*< 7, .<#*8, 5,-6/+. =5-,66,< $5/+7*13= /-<6
-6M*+, .+< .-<4*8M, 1,, 4*7 1/-, 8/+6*<,-. */+
/-< -6M*+,2 *+ . /+?7.-.+?$, Y / 47*87 7, *+?2
7@B*?7 ?-,. =.?* . ,<2L *6 ,+,< 4*7/$ /+8, *+ ,-0
*.:) -$5 *+?7*1 Y7.< ,#,+ 7,3/ <+,66 / , 7*13 7. 7,
8/$ < 7.#, .M,+ +/6 ,5 1/-, 0. . 7.+ 7. /0 <*6G
1*66*+?7*6 . , &*+*6 ,-6 7. 2 *+ 0.82 7,6 //< $B /+
7,3-*+M /0 .5-,8*5*8, L 7, *+?06 -,5 =4.6 6$00*G
8*,+ =8/+8*6, &= /-<2L 7,6.*<2 =/$.-, .#,-=
7/+,6 1.+2 .+< .1 #,-=1$87 /37?,< / =/$ L2 /
/-< .-<4*8M,2 $+<,-6*1* .-8*-8$16 .+8,62 7, *+?
4.6 1$87 ,66 8/15 .*6.+ /-< .-<4*8M,2L 4-*,6
.- ,15, / 7,&.-@$*6 /0D $8M*+?7.12 4,+/0
7*6 /4+.88/-<2 $+6,+0/-2 / -,1/+6 -. , .?.*+6 7,
6,56 47*87 7, *+?7.6 .M,+2 .+< / ,H 7*1 7. 7,
8/$ < +/ .+64,-0/-0 7,6.0, =/0 -, .+< *0 7,5,-6*6 ,<
+ <,1.+<+?/0 &*+*6 ,-6 7,5 ,<?,I 7, *+?3/4,<
7*1 /$ /0 7, -//12 8/15*1,+*+?7*1 *-/+*8. =/+

I =""##3 "0,(0 %/(1 <(% ""+!
-8:@%*1/ (1,#+(1/,1:,<(% "<+! (6"/ <(% "<+!
Z),%,--,.="%6,0(81/"1-),8:@%*1/ (..,#+(1/,1:,<(% "<+! (./
8:@%*1/)*/0(.;.%76,,1),%/"1 2.,*-.,2*./67-),"12 68-)8/0(.0,"-,/"-*#
%",)*/*%#(0(.0,"-,/-),.,2*./(0 (./ (.-)67)"# +(%"-":*% :(1/8:-5 +L N -80%01,%%#"1-%",*8-8;1(0 U=,0"1/-),%""12#+,*@"12(0 (./ 8:@G
%*1/"1#-.(12-,.;#(0/"#+%,*#8., 4"f(#,3#0 <(% ""++L !
, ;("#(0 ".* ;8,% (;"%%7<(% ""++

7*62 *+<,5,+<,+8,2 .+<0 $5/+' 7*6' 3, /+?*+?' /' +/' 5.- =2 .+<' , *+?' 7*1' 7. ' 7,' 8/$ <' +/ ' <,5.-' 0-/1' 7,' -,6/G $ */+' 7,' 7.<' .M,+'2 /' *+6*6 ' $5/+' 7,' 5 ,<?, L' +0' 7,' *+*<6 ' /0' . ' 7*6' ,N8* ,1,+ 2 .+<' 47* ,' 7*6' 0-*,+<6' 4,-,' 3-,. 7*+?' +/ 7*+?' 3$ ' 1*6?*#*+?' .+<' . .-12 7,' *+?' -,1.*+,<' 5,-0,8 =' 6. *60*,<' 4* 7' 7,' 5.-' 47*87' 7,' 7.<' .M,+ 0' 7,' 0.8 ' *62 7. ' .+' ,N5,-*,+8,' /0' 0/- =06,#,+' =,.-6' 7.<' *15.- ,<' /' 7*1' .' M+/4 ,<?,' /0' 7$1.+' +. $-,2 .+<' /0' 7,' 1/ *#,6' 47*87' *+0 $,+8,' 7,' 8/+<$8 ' /0' 5$3 *8' 1,+2 .6' 4, ' .6' .' 6M* ' *+' 1,.6$-*+?' 7,' -, . *#,' 6 -,+? 7' /0' -*#. ' 5.- *,62 *+' 47*87' 7,' 4.6' ,N8, ,<' 3=' +/+,' /0' 7*6' 8/+ ,15/-.-*,6 ' 7$62 5,-* /$6' .62 *+' 7,' ,=,6' /0' 7*6' 0-*,+<62 4.6' 7,' 5.* ' 47*87' 7,' 7.<' 5 .=,<2 .+<' $+.#.* *+?' .6' * ' 4.6' *+' 7,' ,=,6' /0' 7*6' ,+,G 1*,62 7,' 7.<2 *+' 0.8 2 .M,+' .' 6 ,5' 47*872 0/-' 7,' B*,N ' 7-,,' .+<' 4,+ =' =,.-62 4.6' <,6 *+,<' /' ,N8 $<,' 7*6' / <' .<#,-6.-*,62 7,' F 7*?62 0-/1E 5/4,-' ' ' 4* ' 8/1,' -*?7 ' =, 2L' 7.<' 3,,+' 7*6' 6.+?$*+,' 4/-<6' /' /-<' '*<0' 1/$ 7' /+' 7,' W 7' /0' &.-87 0' &/-,/#,-2 47. ' 4.6' #,-=' $+$6$. ' 4* 7' 7,' *+?' *+' .' 6,.6/+' /0' ?-,. ' 5/ * *8. ' ,NG 8* ,1,+ 2 7*6' 1,+ . ' .+<' 3/<* =' 7,. 7' -,1.*+,<' $+*1G 5.*-,<' /-<' &. 1,63$-=' 65,.M6' /0' 7*12 /+' 7,' 96 2 .6' 3,*+?' ' 1/6 ' 0*-1' .+<' @$* ,' 4, IL' A' .+<' /-<' ,+ ,=2 .' <.=' /-' F /' .0 ,-4.-<62 .6' 3,*+?0' *+' 5,-0,8 ' 7,. 7' .+<' 65*-* 62 7/$?7' 7*6' '6*?7 ' *6' +/ ' *15-/#,< L' [

.(;' -),' #-.(12' %*128*2,' "1' =)":)' -),' :(1/8:-' (0' -),' "12' *-' -)"# :."#"#)*# 6,,1' " ;+821,/' 67' -),' E)"2#' "-' ;"2)-6,' " ;*2'1,/' -)*-'),' *%(1,')*/' #-((/' "1' -),' =*7' (0' (;*1' *-)(%".' , ;*1:"+*-"(1' 1' -),' :(1-.*.7' * #+"."-' (0'6'2(-.7*1/' "1-(%,.*1:,' +,.<*/,/' -),' %,12-)' *1/' 6.,*/-)' (0'-),' %*1/'),' *./(8.' ="-)' =)":)' -),' (.",# .,#+(1/,/' -(' -),"." (<,.,"21' 67' .*"#"12' -),"." +.(0'-*6%,' (%/' =*.9:.7

' $8M* ?*.1' *+,.#'<(%'"<'+' U ' -' (./' (%<),#-,.3' "*."',#'<(%'""'+' L' "' "*."',#'<(%'"<'+' ! Z 8:@%*1/' (..,#+(1/,1:,'<('"<'+' !

$ '

7.‘ ‘ 7,‘ (7$-87‘ 4.6‘ *+‘ <.+?,-2L‘ 5-/#,<‘ 7/4‘ ,+ *-, =‘ 7,‘ 5-,B$<*8,6‘ .6‘ 4, ‘ .6‘ 7,‘ .00,8 */+62‘ /0‘ 7,‘ 1.B/-* =‘ /0‘ 7,‘ *+?06‘ 6$3B,8 62‘ 4,-,‘ *+‘ 7*6‘ 0.#/$-‘ 0‘ /-< ,/-?,‘ /-</+‘ 7.< 3,,+‘ 6 * ‘ . *#,2‘ 6.*< .--=‘ -6M*+,‘ /‘ 7,‘ $87,66‘ /0‘ /-</+2‘ 7*6‘ /-<67*52‘ *+6 ,.< /0‘ 3,*+?‘ 8/1G 1* ,< /‘ ,4?. ,2‘ 4/$ < 5-/3.3 =‘ 7.#,‘ 3,,+‘ .‘ 1,13,-‘ /0‘ 7,‘ (.3*+, ‘ -/1‘ . ‘ 5.- 6‘ /0‘ 7,‘ M*+?</1 Y0-/1‘ /+</+2‘ <*+3$-?72‘ -*6 / 2‘ .6?/42‘ 3,-<,,+2‘ N, ,-2‘ *-1*+?7.12‘ *#,-5// 2‘ ,48.6 ,0/+0 =+,2‘ ,,<62‘ &.+G 87,6 ,-2‘ 7,‘ H+*#,-6* *,6‘ /0‘ N0/-< .+< (.13-*<?,2‘ /0‘ -*+* =‘ (/ ,?,‘ $3 *+2‘ .+< ' ‘ +<-,462‘ .6‘ 4, ‘ .6‘ 0-/1‘ +$1,-/$6‘ 8/$+ *,6‘ .+< / 7,-‘** *,6‘ .+< /4+6Y8/+ *+$,< /‘ 5/$-‘ *+2‘ 4,,M‘ .0 ,-‘ 4,,M2‘ 7,‘ 1/6‘ ,+ 7$6*.6 *8‘ .<G <-,66,6‘ /‘ 7,‘ *+?2‘ 7.+M*+?‘ 7*1‘ 0/-‘ ‘7*6‘ . ,‘ 4*6,2‘ 5*/$62‘ .+< 6 ,.<=‘ -,6/ $ */+2L‘ .-*< 7,‘ 5. ,-+. ‘ 8.-,‘ 4* 7‘ 47*872‘ *+‘ <.=6‘ /0‘ *++/#. */+‘ .+< 87.+?,2‘ 7,‘ 7.< ?$.-<,< 7,‘ -, *?*/$6‘ *+ ,-,6 6‘ /0‘ 7*6‘ 5,/5 ,0‘ 0‘ .+= 7*+?‘ 8/$ < 7.#,‘ .<<,< /‘ 7,‘ ,+ 7$6*.61‘ /0‘ 7*6‘ 6$3B,8 62‘ * ‘ 4.6‘ 7,‘ 8$--,+ ‘ 3, *,0‘ 7. ‘ 7*6‘ . ,‘ &*+*6 ,-6‘ 7.< ,* 7,-‘ .M,+2‘ /-‘ . ,15 ,< /‘ .M,2‘ .+‘ $+0.*-‘ .<#.+ .?,‘ /0‘ 7,*-‘ -/=. ‘ 1.6 ,-

7,‘ +,4‘ (.3*+, ‘ 4.6‘ 8/15/6,< /0‘ 7,‘ $M,‘ /0‘ /- G .+<2‘ .6‘ -,1*,-‘ .+< *-6 ‘ /-< /0‘ 7,‘ -,.6$-=ƒ /0‘ &-

▫

I‘ , ; (".# (0‘ ".‘ ‘ (; "R7 ‘ 9<(%‘ ‘"" ‘ ++ ‘ ! ‘

-‘ ,‘-),‘ (1/(1‘ *V,--,#0(.‘ ‘++‘U L9 U‘ 0‘-),‘#(1#(0‘ ,(.2,‘ ‘-),‘ ; (#-‘ V,*%(8#*++%*8/,.‘ (0‘)"# 0*-),.B# :(1/8:-‘ "1‘ .,#"#-"12‘-),‘ :%*" ; # (0‘-),‘ (; *1‘ *-)(%":# *++,*.# -(‘)*<,‘ 6,,1‘ -%",‘ %*-.‘ "12‘ (0‘ *1(<,. ‘),‘ 0(%%(=12‘ ,>-.*:-‘ (0‘*‘%,--,. ‘ *//.,##,/‘ 67‘)"# *5,#-7‘ -(‘-),‘ %*-,‘ .‘ .(@,‘ (1‘-),‘ L-)‘ (0‘ *18*.7‘ UL‘ ,<"1:,# -)*-‘ *‘ %*+#,‘ (0‘ 1,*.%7‘ 0(.-7‘ 7,*.#)*/‘ ; */,‘ %"--%,‘ /"00,.,1:,‘ "1‘)"# +."1:"+%,# *1/‘ +.,58/":,#‘ C‘ E (‘ *.,‘ %"<"12‘ "1‘ ; (#-‘ ,>-.*(./"1*.7‘ *1/‘ #-.*12,‘ -" ; ,#? *1/‘ *%.,*/7‘ ‘ #,‘ -)*-‘ ; *17‘ (0‘-)(#,‘ -)"12# =)":)‘ ‘)*/‘ +.(+),#",/‘ "1‘ U‘)*<,‘ :(; ,‘ -(‘ +*##‘ -"%%‘ (1,‘ :".:8 ; #-*1:,‘)*# :(; ,‘ -(‘ ; 7‘ @1(=%,/2,‘=)":)‘ ‘ %,*.1*%‘ -(9/*7‘ 67‘-),‘ +86%":‘ +."1-# -)*-‘ *.."<,/‘ 0.(; ‘ 12%*1/‘ =)":)‘)*# 1(-‘ (1%7‘ #)(:@,/‘ ; ,‘ 68-‘ /"#28#-,/‘ ; ,‘ 6,7(1/‘ *%%‘ ; ,*#8.,‘ *1/‘ +.(<,# -(‘ ; ,‘-)*-‘ ,.*‘ %(12‘ 7(8‘ ="%%‘ #,,‘ -),‘ (#-‘ +86%":%7‘ :*..",/‘ "1‘ +.(:,##"(1‘ /(=1‘ -‘ * ; ,#3# -.,,-‘ *R‘ *%%‘ c: 4‘ 1* ; ,%7‘ *‘ (; ;"##"(1‘ 2"<,1‘ *-‘ -),‘ ."<7‘ (81:"% =),.,"1‘ -),‘ *-)(%":‘ ."; *-,‘ (0‘ .,%*1/‘ -),‘ .:)6"#)(+‘ (0‘ . ; *2)‘ "# +86%":%7‘ #(‘ .,:(21"V,/‘ 67‘ H8,,1‘ $":-(."*‘ "1‘ (81:"%‘ # -%""# 1(-‘ :(1-.*.7‘ -(‘ *1‘ :-‘ (0‘ *."* ; ,1-‘ f ‘ ; *7‘ 6,‘ ; "#-*@,1‘ 68-‘ "0‘ ; 7‘ ; , ; (.7‘ /(,# 1(-‘ 0*"% ; ,‘ ‘ 6,%",<,‘ ‘ * ,‘ :(..,:-‘ (‘ +.*7‘ :%,*.‘ ; 7‘ ; "1/‘ 8+(1

</+ .+< .4M,63$-=2 3$ /+ 3*6 -, *-,1,+ 0-/1 /00*8,2 4-* *+? 3*1 3,0/ /4*+? 0-*,+< = .+< 0/-?*#*+? , ,- Y

' (5 9 "

>GA &C'U%2%K 0 ; !.

C %-6(82) -), "12 "# /,+."<,/ (0 -), #,.<":,# (0 (./ "/ ; (8-) "1 -), *..*12, ; ,1- =%"":)),)*# ; */,0(.-), 0(. ; *-"(1 (0 *1,= / ;"1"#-.*-"(1)"# *5,#-7 :*11(. .,%,*#,)" ; 0.(;)"# #"-8*-"(1 ="-)(8- ,>+.,##"12 -( )" ; -), #*-"#0*:-"(1 =%"":)),)*# /,."<,/ 0.(; -), #8++(.= ":) (./ "/ ; (8-))*# 2"<,1 -( )" ; -).(82)(8- -), +.(2.,## (0 * -.*1#*:-"(1 "1 =)":))"# /,:"/,/ +."1:"+%,# *1/)"# 0,,%"12# =,"9, *- #-*@,

C), "12 "# 1(- %,## #,1#"6%, (0 -), ., */"1,## ="-) =)":) (./ "/ ; (8-) :(; +%",/ ="-))"# ="#) -) *-), #)(8%/ :(1-"18, "1 (0%":, 0(. -), %*#- 0(.-1"2)- 81/, :".:8 ; #-*1:,# =)":))"# *5,#-7 "# =,%% *=*., ; 8#-)*<, 6,,1 ,A8*%%7 +*"108% *1/ , ; 6*..*##"12? *1/), /,#".,# (./ "/ ; (8-) ="%% 6, *##8., / -)*-), #)*%% ,<,, 0,,% * #"1:,"9, "1-,.,#- "1)"# =,%0* ;

!) D -

K

0 3, *+?06 +,4 .<#*6,-62 3, &*+*6 ,- 47/6, -, 1G+ / /00*8, 3, </$3 ,66 ?-,, ,< 4* 3 3, ?-,. ,6 6. *60.8G */+ 4.6 /-< </+2 7$6 47,+2 /+ 3, 96 /0 5-* 2 7, <, *#,-,< 3, -,. ' ,. / 3*1 *+ 3, -/=. 8 /6, Y 4*67 .+< 7/5,2L 3, 6.*<2 =/$ 1 .= M,,5 * * <*, L A *6 8/+ ,6 4* 3 3*6 . , &*+*6 ,-62 3, / < 3, +,4 (3.+0 8, <-2 3.<2 *+ 3*6 /5*+*/+2 3,,+ .6 -$?? , 0/- 3*6 3-/+, , 4.6 <, ,-1*+,< / 3, ,* 7,- 3, -/ ,6 .+ M*+? /0 . -/ ,6 .+ 8/$+ -=2 /- +/ M*+? . . , *6 -,1 .-MG .3 = 4, 2L 4-* ,6 /-< </+ 3, +,N < .=I 0*-1 .6 . */+2 5 .8*< .+< @$*, 3,=/+< ,N.15 , *+ .+= 1/1,+ /0 3*6 *0, .1 3.55= / .<< 7. /+ 7*6 /88.6*/+ 3*6 6/+22 7, -*+8,2 7.6 .55,.-,< / 3,7.#, #,-= <$ *0$ =

(./ *%; ,#68.73# "*.",# <(% "< + !
P- ,%%,=3# "0, (0 (./ "/ ; (8-% "< (% "" " + U
 = V1 "0, (0 %/(1 <(% "" " + !U

/$6,‘ /‘#*6*‘7,-Í.+</+‘7`‘0/ /4*+?‘<.=‘7$-6<.=‘
7,‘ *+?‘.--*#,<0-/1‘F*+<6/-‘.+<5.-//M‘/0‘.+‘,.-=‘
<*++,-‘4*7‘7,‘ $87,66‘.+<7*6‘<.$?7,-0*+0.4‘7,‘
1,,*+?‘3,4,,+‘7,‘3-/7,-‘.+<6*6,-‘*6‘6.*<‘/‘7.#,‘
3,,+‘.+‘.00,8*+?‘/+,‘ 7-,,‘<.=6‘.0,-4.-<6‘/+‘'$+<.=‘
7,‘9 7‘'5,.M,-‘33/‘4.6‘*+-/<$8,<‘/‘7,‘ $87,66‘
.‘.‘<*++,-05.-=‘?*#,+‘3=‘7,‘ -*+8,66‘/0‘F.,6‘.‘
.8M7,.7‘ ‘7,‘ $87,662L‘7,‘4-*,6‘‘47/‘*6‘.3/$‘.‘
=,.-‘/<,-‘7.+‘7,‘ *+?‘,N8,,<*+?=‘-,6,13,6‘7*1‘*+‘
8/$+,+.+8,‘.+<6*‘1/-,‘*+‘8/+#,-6.*/+‘.+<1.++,-‘
'7,‘.M,<‘/‘,#,-=3/<=‘.+<6,,1,<‘/‘M+/4‘,#,-=G
3/<=L‘ F7,+‘6/1,‘<.=6‘.0,-4.-<6‘7,‘'5,.M,-‘8.,<
4*7‘&-6‘33/‘.‘ .8M7,.7‘7,‘.?.*+‘0/$+<7*16,0‘
*+‘8/15.+=‘4*7‘7,‘ $87,66‘ ‘7,‘ -*+8,66‘/0‘F.,62L‘
4-*,6‘7,‘'5,.M,-‘‘1,‘$6*+‘.+‘/$,-‘-//1‘.+<67/4,<
$6*+/‘.‘61.‘<-,66*+?0-//1‘47,-,‘7,‘ $87,66‘/0‘
-$+64*8M‘4.6‘6* *+?‘*+‘.‘6*8M‘87.*-‘7.#*+?‘3,,+‘*+G
<*65/6,<0/-‘.‘<.=‘/-‘4/‘ F,‘6.=,<.3/$‘7.0‘.+‘
7/$-‘ 7,‘ -*+8,66‘/0‘F.,6‘,0‘7,‘ -//1‘0*-6‘.+<
7,‘ $87,66‘/0‘ -$+64*8M‘8/+*+$,<7,‘8/+#,-6.*/+‘0/-‘
6/1,‘*1,‘/+?,-‘ ,-‘6$3B,86‘4,-,‘87*,0=‘7,-‘<-,.<
/0‘ $/+.5.-,‘0/ /4*+?‘7,-‘7,-,Í7,-‘5,-5,$.‘<*6G
M,‘/0‘.‘ ,-1.+6Í7,‘5,-6/+6‘67,‘7.<M+/4+‘+‘
+?.+<3,0/-,‘7,-‘1.--*.?,Í.+<7,‘.+,8</,6‘/0‘
,/-?,‘7,‘',8/+<0‘(/$-‘'7,‘7.<(/N,0‘P&,1/*-6‘
3,0/-,‘7,-L‘‘ 7,‘4/-M‘47*87‘7,‘ $87,66‘4.6‘5,-$6*+?‘
4.6‘</$3,66‘ -87<,.8/+‘(/N,0‘#/$1*+/$6‘P&,1/*-6‘
/0‘'*-‘ /3,-‘F.5/,2‘47*87‘4/$<+.$-.=‘3,‘*+,G
-,6*+?‘/‘7,-‘.6‘8/+.*+*+?‘.1/+?‘.‘1.66‘/0‘<-=‘5/*G
8.‘1. ,-‘6/1,‘8$-/$6‘5-*#.,‘5.-*8$.-6‘-,.*+?‘.*M,‘
/‘7,-‘/4+‘0.1*=‘.+<‘/‘5,-6/+6‘47/1‘67,‘7.<M+/4+‘
*+‘7,-‘=/$7‘ 7,‘ $87,66‘4/$<6,,1‘/‘7.#,‘3,,+‘
0/+</0‘<,.**+?‘7,‘?/66*5‘/0‘7,‘5.6‘ /-<‘&.1,6G
3$-=‘47/‘4.6‘7-/4+‘1$87‘*+/‘7,-‘6/8*,=‘<$-*+?‘7*6

/0 7, /$6, /0 (/11/+62 .+< 7, 8/+#,-6*/+ /0 7, '5,.M,-0 /$6, *+ . .8,) .-< , //M, < -, 1 .-M.3 = 8 , .- .+< 4 , f -. 7,- ?-/4+ .*0?, 4* 7*+ 7, .6 4, #, 1/+0 #2 #, -= 87, ,-0$ L *6 7.3* 62 ,N8,5 7. 7, 6, ,16 /7.#, M,5 , .- *, -7/$-6 7.+ ,#, -2 8/+ *+$, < +, .- = 7, 6.1, .6 47,+ 4, .6 <,68-*3, < 7,1 , -/6, . 6*N /08 /8M *+ 7, 1/-+*+?2 .+< . +*+, 6. </4+ /3-, .M0.6 4* 7 7, Q$, ,+ .+< 7, -*+8,66`6 , 6. = <*7, < 3= 7*16, 0 /+ . 5 .*+ B/*+ . /+, /08 /8M2 .+< .0 , -4.-<6 B/*+, < 7, -/=. .<*, 6. 7, *- <, 66, - 6 *+ 0/-1, - <.=62 1$6*82 8/+#, -6. */+2 .+< 8.-<6 5.66, < .4.= 7, , #, +*+?62 .+< . , + /08 /8M 7, *+?. .+< Q$, , + -, *-, < / -, 6 F7, + 7, '5, .M, - .?.*+ . , +<, < 7, , #, , /+ 7, 99 7 A.+$.-=2 9; 2 7, <*68/#, -, < +/ 87.+?, 05- 7, 4/-6, *+ 7*6 -/=. 1.6 , - P F , + / 7, , #, , 2L 7` 4-* , 6f 7, *+?. M, < / 1, .3/$ /+?65, , 87, 62 /+?6* *+?62 .+< 5$3 *8 .+< 5-*#. , 3$6*+, 662 4* 7 7*6 6. 87, , -0$ +, 662 .+< .55, .-, < / 3, *+ -, 1 .-M.3 = ?//< 7, . 7 .+< 8/$+ , +.+8, 7, -, 4.6 . (/$+8* .0 , - 7, , #, , L0

H+7.55* =2 7/4, #, -2 1.+= 6/--/46 4, -, *+ 6 /-, 0/- 7, #, +, -.3 , 1/+.-87 7, =, .-6 9; .+< 9;9 +/ /+ = 3-/$?7 /66 /0 #*6*/+2 .+< *+6*5*, + *+6.+* =2 3$ 7, = 4, -, *+ / 7, - -, 65, 8 6 .1/+?7, 1/6 87, @$, -, < /0 7*6 , N*6 , +8, 7, 0*-6 , #, + 47*87 7-, 4 . ? //1 /#, - 7, 0/-1, - =, .-2 4.6 7, .--*#. *+ +? .+<2 /+ 7, -< /0 A.+$.-=2 /0 7, +, 46 /0 7, 8. .1* /$6 -, -, . /0*6/. 7, -* *67 .-1= / (/-$++.2 .+< /0 7, <, . 7 /0 7, ?. .+ '*- A/7+ &//-, 7, <*00, -, + , 00, 8 47*87 7, *+ , *?, +8, 5-/<$8, < /+ 7, 1*+<6 /0 7, *+?2 .+< /0 7, 6, #, -. 1, 13, -6 /0 7, (.3*+, 2 *6 <, 68-*3, < 3= /-< $M, = *+ . , , - / 7, &.-@$*6 /0 $8M*+?7.12 <. , < 7, K7 /0 A.+$.-= , -8, #. .+< (.6 , -, .?7 .M,

7,' +?' #,-=' 8// =2 &$?-.#,' .+< F,6 1/-, .+< 3.4' /$' 0.8*/+' (.1<,+' 67.M,6' 7*6' 7,.<' *M,' /-< $- ,*?7' *+' 7,' P (-**8C (.++*+?'*6' *M,'.' 1.<1.+2 7,=' 6.=' . 7$-6' .+< (7. 7.1' 0$' /0' '4 /.+< 6/' *6' </+' *#,-5//' 7,=' 6.=' //M6' 6.<2 4-, 87,<2 .+< 7/$?7 0$' $' . ' 7,.<0@$.- ,-6' 7,-,' *6' -$,' 8/$-.?,' .+< 0*-1+,662 6$55/- ,< 3=' .' 1*+< 8/+68*/$6' /0' #*- $,2 5. -*/ *612 .+< -,8*$<, L'0

(' %"

)*.2,# (0' :(..8+-"(1' 6.(82)-' *2*"1#-' -),' 8@,' (0' (.@' 67' (%(1,%' E*./%,4),' 8@,' .,#"21# -),' (;;*1/,.#)"+9"19)",0'4'E*%:),.,1' >+,/"-"(1'4' %%1,##' *1/'/,*-)'(0'-%",' 8@,'(0' (.-%*1/'4' "#-.,## (0'-),' "12'*-'-),'+.(#+,:-'(0' (./' .,1<"%%,' .,%8;"12'-(' (00":,' *1/' .,<"<"12'-),' A8,#-"(1' (0' *-)(%":' :%*";#'4' ,.:,<*%'6,:(;,# ."; ,' "1"#-,.4' ,%,6.*-"(1'(0'-),'0"0-",-)'7,*.'(0'-),' "123#' .,"21'4' (8.-'2(##"+'4' ,%%"#3#*--,;+-'-('*##*##"1*-,'-),' 8@,'(0' 8;6,.%*1/'4' ;+.(<,/' :(1/8:-' (0'-),' ."1:,' (0' E*%,#4'),' "123#')*6"-#'*1/'+*-",1-' ,1/8.*1:,'(0'*00%":-"(1

' 7*6' *1,2' .+' $+7.55=' -.+6.8*/+' /88$--,<2' 047*872' *+#/ #*+?'.6'*'<*<' 7,' 1*68/+<$8'/0'/+,'/0' 7,' *+?06'6/+6' '.+<' 7,' 7/+/$-' /0' 7,' /=.' .1*=2#,-='+. $-. ='/88.G 6*/+,<7*1' 7,'<,,5,6'<*6-,66' +' 7,' :*/0'A.+$.-=2' 9; 2'0/$-'<.=6'.0,-' 7,' .--*#.'/0' 7,' +,46'/0' 7,' 3. ,' /0' (/-$++.2' (/ /+,' 0$*=1' /=<' F.-<,2' &,13,-' /0' .-*.1,+'0/-' .M7.15 /+2'.+<'0/-1,-='(/ /+,'/0' 7,' F,67' $6*,,-62' 3-/$?7'0/-4.-<' *+' 7,' /$6,' /0' (/11/+6'3*6'0.1/$6'87.-?,6'.?.*+6' 7,' $M,'/0')/-M2' /0'8/--$5'5-.8*8,6'*+' 7,' .<1*+*6-.*/+' /0'7*6'5/4,-' .+<'5.-/+.?,'.6'(/11.+<,-0*+0(7*,0'/0' 7,' -1='7,' 8*-8$16.+8,6'47*87'/-*?*+.,<' 7/6,'87.-?,6' 1.='3,' 3-*,0='-,.,<' 3/$'7,'=,.-'9; 2'7,' $M,'/0')/-M' 7.<'0/-1,<.'8/++,N*/+'4*7'.'1.--*,<'4/1.+'/0' 7,' +.1,'/0'&.-=' ++'(.-M,2'.05,-6/+'/0'8/+6*<,-.3,'3,.$='.+<'5/4,-6'/0'8.5*#.*/+' $-*+?'7,*-'*+*1.8=2'47*87' .6,<*' &.=2'9; K2' 7,' $M,'+/' /+='6$55/-,<'7,-' *+' .+',N5,+6*#,',6.3*671,+'*+' /+</+2'3$'7.<' 7,' 4,.M+,66'.+<'3.<.6,' /'8/+6,+' /'7,-'.M*+?'.'8/$+-=0' 7/$6,'*+' 7,2+,*?73/$-7//<'/0'7*6'/4+'-,6*<,+8,2' .'.+<6' .-M2' 47,-,' 67,' 7.<' 7,' ,00-/+,-=' /'.55,.-'.' 7,' #*.?,087$-87'47,+' 7,' $87,66'/0')/-M'4.6'5-,6,+' 0

7,5-,#*/$6 7*6 /-= /0 7*6 .<=2 * *6 6$0*'8*,+ /6.= 7. 7,-/-*?*+4.6 .+7$13 ,/+,2 .+< 7. 2 *+7,*+ ,-#. 3, 4,,+7,-6,5.-. */+0-/1 7,-7$63.+< .+< 7,8/1G 1,+8,1,+ /0 7,-*+ *1.8=4* 7 7, $M, /0)/-M2 67, 7.< 3,,+$+<,-7,5-/ ,8*/+2 . <*00,-,+ *1,62 /0 . ,.6 4/ /7,-1,+/05 ,.6$-,

+7,/5,+*+?65,,872 *+7, /$6,/0 (/11/+62 *+ 47*87 (/ /+, F.-< , 65,8*0*,< 7, <*00,-,+ /00,+8,6 47*87 7, $+<,- //M /6$36 .+ *. , .?.*+6 7, 7,.< /0 7, .-1=2 7, +/ /+ =87.-?,< 7, $M, 4* 7 7.#*+? . /4,< 7*6 1*6 -,66 /6, 1** .-=8/11*66*/+6 0/-7,* /4+.<#.+ .?,2 3$7, .6/ . ,?,< 7. 7*6 /=. *?7G +,66 7.< 5.-*8*5. ,< *+7, 5-/8,,<6 /0 7,-*+0.1/$6 -.0 '8 (7.-?,6 6,,1*+? =6/ /$-.?,/$62 4,-, +. $G -. =*6 ,+,< /3= 7, 5$3*8 4* 7 1$87 *+8-,<$*=2 .+<3= 7, *+?4,-,*+<*?+.+ =<*68-,<* ,< +-,?.-< /7*6 &*+*6 ,-62 6/8/15 , , =<*< 7,=67.-, 7, *+?G6 5,-0,8 -, *.+8, *+ 7*6 6/+G6 *++/8,+8,2 7. 2 *+6 ,.< /0 . ,15*+? /.--,6 *+@$*-=2 /-2 . . ,#,+62 . /4*+? 7, *+#,6*?. */+ /0 7, 87.-?,6 /.M, 5.8, 3,0/-, . 6,8-, (/11* ,, /0 7, /$6, /0 (/11/+62 47*87 4.6 . 7. (/ /+, F.-< , /-*?*+. =<,1.+<,<2 7,=1/6 $+4*6, =*+6*6 ,< 7. 2 0/-7, $M,G6.M,2 7, *+@$*-= /$?7 /3, 8/+<$8 ,< *+7, 1/6 /5,+.+< 5$3*8 1.++,-5/66*3 ,2 .+< 0$-7,-7. 7, ,N.1*+. */+ /0 7, 6,#,-. 4* +,66,6 67/$<2 .M, 5.8, 3,0/-, . (/1G 1* ,, /0 7, 47/ , /$6, 7, -,6$ /0 7,*-.--*#*+? . 7*6 <,8*6*/+2 5-/#,< /3,1/6 8. .1* /$6 PP 4.6 /3#*/$62L .6 '*- '.1$, /1*H=5/*+ 6 /$2 7. 6$87 . 5-/8,,<*+? 1$6 3, 1/6 1*687*,#/$6 /7, $M, 7/$?7 +/#*/ . */+ /0 7, .4 1*?7 3, ,6 .3*67,< .?.*+6 7*12 =, 7, 1,-, ,N5/6*+? /7, 5$3*8 7. 7,2 D47/ 4.6 1*6 .M,+=6$8 5/6,< 3=1/6 5,-6/+6 /3, ,.<*+? . 1/-.2 <,8,+2 .+< </1,6*8 *0,2 4.6 ,+ ,- .*+ *+? . ?-, . ,N5,+6, . 8/$- ,6.+2 7, 4*0, //0 .+/7,-

1.+2' .+<'.'4/1.+'47/'7.<'-*6,+'0-/1'.'#,-='/4'6*$.G
/+'+'*0,2'8/$<'+/'0.*'/'</'7*1'*--,5.-.3,'1*687*,0'
*+'7,'5$3*8',6*1.*/+L'

$-*+?',.-='4/'1/+76'D7.'7,'.-*.1,+.-='
+@$-='.6,<2'7,'/$6,'/0'(/11/+62'<.='.0,-'<.=2'5-,G
6,+,<'.'1/6',N8**+?2'.+<+/'#,-='8-,<*.3,'68,+,'7,'
65,8.8,'/0'.'65,+<*<='.+<'0.67*/+.3='.*-,<'8/$-,6.+'
8/+6.+='5-,6,+*+?'7,-6,0'.'7,'.-'/0'.-*.1,+2'0/-'
7,'5$-5/6,'/0*15*8.*+?'7,'6,8/+<-*+8,'/0'7,'//<2'
.+<'7,'(/11.+<,-0*+0(7*,0'/0'7,'-**67'-1=2'.6'.'
67.-,-'*+'7,-'+,0.-*/$6'-.00*82'4.6'4*7/$'.'5.-.,'*+'
7*62'/0'5,-7.56'*+'.+='/7,-'8,$+-='F*+,66,6'/0'
3/7'6,N,62'/0#,-=',N8,5*/+.3,'87.-.8,-2'.55,.-,<'<.='
.0,-'<.='.'7,'.-'/0'7,'/$6,',.*6'/0'7,'1/6'
68.+<./$6'<,68-*5*/+'/00,+<,<'7,'?-.#,2'.6'1$87'.6'7,='
,+,-.*+,<'7,'?.='7,'/<,6'&,13,-6'/0'.-*.1,+'
+,#,-'-,1,13,-,<'/'7.#,'6,,+'7,'/$6,'6/'8/+6.+='
4,0.,+<,<2'.6'<$-*+?'7*6'8,,3-.,<'*+@$*-='7,'
<,-6'.'F7,06'.+<'7,'0-,@$,+,-6'/0'7,'5,-.Y47/1'
.'/7,-'*1,6'*'7.<'3,,+'0/$+<'<*00*8$'/'<-.?'0-/1'7,'
8.-,'3/,'/-'7,'.,'/'#/,',#,+'/+'7,'1/6'*1G
5/-.+'@$,6*/+6Y4,-,'+/4'$+0.**+?'*+'7,*-'.-*.G
1,+.-='.,+<.+8,''.'<4/-M'TL'4-*,6'F*3,-0/-8,'*+'
7*6'*.-='f'+/'.55.-,+'6,+6,'*+'7,/$6,'/0'7,'?$*'
/0'.<$,-=2'/+='/0'7,'5/**8.'/00,+8,L'+<'.?.*+'7,'
4-*,6'P'F7.'.'68,+,'.-,'4,',N7*3**+?'/'7,'4/-<'
'4.6'+/'1/-,'7.+'4.6'/'7,'0/-,6,,+'3='.+='/+,'47/'
4.6',#,-'6/**,0.8@$.*+,<'4*7'7,'/$6,'/0'(/11/+6'
F,'.-,'.*#,'/'7,'5/**8.'/00,+8,2'3$'/'7,'1/-.'
8-*1,'4,'6,,1'$,-='*+6,+6*3,'f'.+<'7,'-,8,5*/+'47*87'
`#,-=',''1,,6*+'7,'/$6,2'1$6'*+B$-,'/$-'
87.-.8,-'?-,.='4*7'.'-,*?*/$6'1*+<6IL'0'

7,'5.-*8$.-'<.=6'/+'47*87'7,'0-.*'7,-/*+,'/0'7,6,'
<-.1.*8'5-/8,,<*+?6'.55,.-,<'/'?*#,'P,#*<,+8,2'4,-,

7/6,2 /0 8/$-6,2 4 **8 * . -.8 ,< 7` 0$,6 . ,+<.+8, /0 &,13,-6 ,- ,+ -.+8, *+ / 7, /$6, 6, </1 0.* ,< / 8-,. , . 8/11/ */+ 0 67, 7.55,+,< / 7, *+ . 6 . , /0 .?* . */+2 8-*,6 /0 87.*-2L 87.*-2L 87.*-2L -,6/$+<,< 0-/1 . 6*<,62 .+< 7, (7.*-1.+5/ * , =*+#* ,< 7,- / 3, 6,. ,< ,- ?//< //M6 .+< , ,?.+ .55,.-G .+8, Y 7, 8. 1 8/$-.?, 47*87 67, <*65 .=,< 47* , 6$3G B,8 ,<2 <.= .0 ,- <.= .+< 7/$- .0 ,- 7/$-2 / 7, 1/6 6,.-87*+? 8-/660,N.1*+. */+6 0-/1 (-/4+ <#/8. ,6 .+< &*+*6 ,-6 /0 ' . , Y 7,- 7.55=5/4,-6 /0 -,5.- , , Y .+< .6 =2 7, +. *#, 4* 4* 7 47*87 67, 0/* ,< 7, 8$++*+? /0 7, .4=,-6 .+< $-+,< 7, .$?7 .?.*+6 7, *+6/ ,+ YE5-/<$8,< 7, +/ $++. $-. ,00,8 /0 ,N8* *+? .+ ,N -.G /-<*+.-= *+ ,-,6 /+ 7,- 3,7.0 7, 4/1.+ *6 #,-= 8 ,#,-2L 4-* ,6 .- ,15 ,2 .+< 8/15 , =0/* ,< *AB36 0 *+ . #,-= 6,#,-, 8-/660,N.1*+. */+ /0 7-, , 7/$-6 L A #,+ 7, -*?*< F* 3,-0/-8, 6, ,16 / 7.#, 3, ,+ 7. 0 0.68*G +. ,< 3=7,- . -.8 */+6 /$6,2L 7, 4-* ,62 ,N.1*+*+? &-6 (.-M, 0/- 4/ 7/$-6 (-/660,N.1*+*+? 7,- *+ 7, < .* ,= 4.= '7, , ,?.+ = <*C,66,<2 8/+6$11. , = *15$<,+ 2 .+< #,-=8 ,#,- (,.- =?/ 7, 3,6 *+ 7, $66 , +$13,- /0 5.- *8$.-6 , /$ .3/$ *0,2 1/7,-2 87* <-,+ L [?.*+ 7, 4-* ,62 6/1, *1, .0 ,-4.-<6 Y ($-*/$6 / 6, 7/4 6 -/+? =67, 7.6 4/+ $5/+ 5,/5 , L 2 +, /0 7,- -, /- 6 4.6 .<1*-.3 , 8,- .*+ &,13,- 7.#*+? 3 $+ = .6M,< 7,- Y -.=2 &.<.12 $+<,- 47/6, 5-/ ,8 */+ .-, =/$ +/4 SL 7, *+6$,< 4/1.+2 *+6 ,.< /0 8/+<,68,+<*+? / .+64,- 7, /00,+6*#, @$,6 */+ <*-,8 2 8. 1 = .+< ?-.8,0$ = .<<-,66,< 7,-6, 0 / 7, (7.*-1.+ 5-,6,+ '*-2L 67, 6.*<2 3, *,#, .1 $+<,-

"

), 2 .0 ,- . 2 +/ 7*+? 8/$ < 3, 1$87 1/-, <*6?-.8,0$

I * .%"* ; ,1-*.7 ,6*-,# <(% >"" : (% UU
- ". $":*.7 "66# -),1 --(.1,7 ,1,.*% *1/ *0-,.=*./#)",0 8#-":, (0 -%",
(; ; (1 %,*# I 8:@"12)* ; *+,.# <(% "< + ! U
Z "0, (0 E"%6,.0(.:, <(% """" + U %i 1i"/ + U !

8,+8,2 3$ <,+*,< ,#,- 7.#*+? 7.< 7, 6 *?7 ,6 M+/4G
,<?, /- 6$65*8*/+L /0 7, 8/--$5 5-.8 *8,6 47*87 7.<
3,,+ 67/4+ /7.#,3,,+ *+ ,N*6 ,+8,2 7*6 .66$-.+8,
7, -*+8, -,. ,< 4* 7 7, 8/+ ,15 47*87 * 1.=2 /-
1.=+/2 7.#, <,6,-#,< ?,+ ,1.+0 4/-<2 7, 6.*<2
4.6 6.8-,<I .+<7/4 8/$ <7*6 3-/ 7,- . M /07*6 7/+/$-
.6 . -*+8,2L 47,+ 7, 8/$ <+/ M,,5 7*6 4/-< .6 .
?,+ ,1.+S ,4.6 <, ,-1*+,<2 7, .<<,<2+/ /*+ ,-G
0,-, ,*7,- *+ /+, 4.=/- 7, /7,- , 7.< 3,,+ +/
5.-= /7*6 3-/7,-6 *--,?$.-**,6I 7, 7.< +,#,- 1.<,
7, .8@$.*+ .+8, /0 .+=2/0 7, 4/1,+ 4* 7 47/1 7*6
3-/7,- 7.< 3,8/1,8/++,8 ,<I 7, <*6 *M,< 6$87 6/8*, =I
I h 7, 7/$?7 7*6 /4+ .6 ,2 *+ -,?.-< /
4/1,+2 4.6 3, ,- 7.+ 7, $M,0 0 6 0/- 7, $M,
7*16,02 7, *6 6.*< /7.#,3,,+ $<-,.<0$ =.00,8 ,<L 3=
C 7, 47/ , 3$6*+,66 E , ,#,+ 4,+ 6/ 0.-2 .6 '5,.M,-
33/ *+0/-16 $62 .6 /<*68.-< &-6 (.-,=22 7, -,*?+*+?
6$.+. 47/7.< 6$88,,<,< &-6 (.-M, *+ 7*6 *3,-*+,
.00,8 */+6 L [
+ 7, 1,.+ *1,2 7, ,N -./-<*+.-=<*68 /6$-,6 47*87
4,-, 8/+6 .+ =-.+65*-*+?2 8/+ *+$,< /,N8* , .+ *+<,G
68-*3.3 , 6,+6. */+ 3/ 7 *+ .+< /$ /0 .-*.1,+2 7,
B/M, .1/+? 7, 5,/5 , *+ 7, 6-,, 62L 4-* ,6 7, '5,.M,-2
*62 47,+ 7,= /66 $5 7.05,+8,2 +/ /8-= P ,.<6 .+<
.* 62C 3$ P $M, .+< .-*+? CL J 7, 68,+, 47*87 *6
?/*+? /+ *+ 7, /$6, /0 (/11/+62L 4-* ,6 &- '6 2
,3 9K -,1.+ , / /-< $8M*+?7.12 *6 6/ <*6?$6 *+?2 .+<
. 7, 6.1, *1, 6/ .-1*+?2 7. 7.-< =M+/4 7/4 /
<,68-*3, * / =/$ #,-= <.= .+< ,#,-= 7/$- .<<6 /
7, ,#*<,+8, .?.*+6 7, $M, /0)/-M2 .+< * *6 @$* ,
*15/66*3 , 3$ 7, 1$6 6*+M $+<,- * L E ' /?-,. 4.6 7,
,N8* ,1,+ 47*87 8/+6 .+ =5-,#.* ,< *+ 7, /$6, /0

I),' 8@,3#%,--,.'"#+."1-,/"1'-), 118*% ,2"#-,.'0(.' +' ! '
-' 8:@"12)*;' *+,.#'<(%'"<'+'! ' -' 6"/ '+'! L
Z (./' (%:),#-,.3# "*.",#'<(%'"'"'+' ' xI 6"/ '<(%'"<'+' U' K
' 8:@"12)*;' *+,.#'<(%'"<'+'! ' F

(/11/+62 *.' 7,' .$ 7/-* =' /0 ,-8,#. 2 .6 * 6 ,.<,-2 4.6 68.-8, =' -,8/?+*6,<2 .+< ,#,+' 7,' , /@$,+8,' /0 (.+G +*+?' 8/$ < 68.-8, =' 6,8$-,' 7*1' 7,.-,-6 ') /$' 1.=' B$<?,' 7,' 6* $. */+' /0 7, /$6,2L' 4-* ,6 &-' -,1.+ ,2 ' 47,+0 ' , ' =/$' 4,' 4,-,' .6' +*?7' +,.- =' 7-,,' @$.- ,-+' /0 .+' 7/$-' <,3. *+?' .3/$' 7,' ,#*<,+8,' /0 .' <-$+M,+' 0// 1.+2 3=' ,-8,#.' 6$??,6 *+?' 1/<,6 /0 .68,- .*+*+?' 7/4' /' 8/+#*8' 7*1' /0 7*6 <-$+M,++,66I' (7.- ,6 /+?2' +,.-' 47/1' ' 4.6 6* *+?2 , *+?' 1,' .' 7,' *1,' 47.' .' .1,+ G .3,' 5-//0*' 4.6 /0 7,' 4.+' /0 6/1,' 1.+' /0 6,+6,' .+< B$<?1,+' /' ,.< 7,' /$6,' 7,-,'*6 +/' ?/#,-+1,+' *+' 7,' /$6,' /0 (/11/+6')/$' 1.=' 3,' .66$-,< 7,' 7*+?' </,6 +/' ,N*6 I .+< 47, 7,-' 7,=' 8.+' ,#,-' -,8/#,-' 7,*-' /+,' /0 5/4,-' -,1.*+6 /' 7,' 5-/#,<' ' 5-,6,+' &-' (-/M,-2 &-' ' -/4+2.+< &-' ,-,60/-< .-,' 7,' ,.<,-6 L'BR &,.+47* ,2 .6/2 ,#,-=' <.=' .+< ,#,-=' 7/$-' 8/+ *+$,< /'0<*68 /6,' 7,' 1/6'6 .- *+?' .+< <*68-,<* .3,'0.8 6' 7,' -/=.' 1*6 -,662 *' .55,.-,<2 0.-' 0-/1' 7.#*+?' 8/+0*+,< 7,-' 3-/8,-.?,' /' 7,'6. ,' /0 1** .-=' 8/11*66*/+62 7.< -.00*8M,< *+' .1/6',#,-=' <,5.- 1,+' /0 7,' ' .,2 .+< 4* 7 5,-6/+6 /0 ,#,-=' 8 .66 /0 6/8*, =' /-' .' 0.#/$-*,' 0// 1.+' /0 7,-' /4+2 67,' 7.< 5-/8$-,< .' 8/11*66*/+' *+' 7,' .-1=2 .+< 0/-' .+' -*67 8 ,-?=1.+' 7,' 8/#, ,< 5-*#* ,?,' /0 5-,.87*+?' 3,0/-,' 7,' *+?' '*+8,' 7,' <.=6 47,+' 7,' $M,' /0 ,-1.' 61* ,< .' *' M*6 <*65/6*+?' /0 5-,3,+<.' 6. 6 .+< ?/#,-+/-G 67*56 /0 5-/#*+8,62 *' 4/$ < 3,' <*00*8$' /' 5/*+' /' .' 1/-,' 1*68, .+,/$6 7.4M*+?' /0 /#,-+1,+' 5. -/+.?,' ' 7,' 8/6,' /0 7,' 5-/8,,<*+?62 /-< ,15,' 4-* ,6 /' /-< $8M*+?7.1 Y ' 7,' ,5/-' *6 +/' =,' 1.<,2 3$' ,.872 7,' (7.*-1.+2 7.6 / < 1,' 7.' 7,' 68,+,' /0 *+0.1=' 7,=' /5,+' *6 <-,.<0$ 2 .+< 7.' .' 7.' 7.6 5.66,< *6 .' -*0,' 47,+' 8/15.-,< 4* 7 7,1 A' ' 8/15,,' 6=6,1' /0 -.00*8

I' ("1-' *7;*#-,.' ,1,.*%? ' ':.,*-,/' -)' 8%7' ' *.(1' *;9 6(.(12)' 0' 8:@"12)*;' *+,.#' <(%' "<' +' ' (./' ,;+%,' *%%8/,# -(' 1' +*:@,-' (0%,--,.#*//.,##,/'67' .#' %*.@,'-(' (1,' (0),.' *2,1-#' *+-*"1' 8>%,7' *1/(1' =)":)')*/'6,,1'/"#:(<,.,/'*-'-),'%(/2"12#(0-),'%*--,.' $ ' ' K '

/0 ,#,-= 6/- Y 0/- #/ ,6 *+ *, /$6, $5/+ 5.- *8$.- @$,6 */+62 * 06 ,0,+8, * 2 U8 Y 0/-,#,-= 6/- /0 1* * .-= .55/*+ 1,+ Y *6 .*< /5,+ . 6 . ,1,+ /0 5.- *8$.- 0.8 6 47*87 8/$ < /+ = 7.#, 8/1, /7,- M+/4 ,<?, 0-/1 7, $M, /0) /-M -,5,. ,< <*-,8 */+6 /' .+</+ /8. 2 . 7, /* 8,2 47,-, 7, 4* 0*+< 6$87 .+< 6$87 /00*8*. , ,-6 0/- 7*1 L

+ 7,1,.+ *1,2 47* , .67.1, ,66 4/1.+ 4.6 ,+ ,-G .*+*+? 7, /$6, /0 (/11/+6 4* 7 7,- 5-/0 *?. , 8/1 0,66*/+6 .+< -,5.- ,,62 7, 6 . , /0 7, /=. . 1* = 4.6 ?-,. = /3, 5* *,< 7,.-2L 4-* ,6 /-< $M, = / /-< $8M*+?7.12 7, /=. . 1* = . F*+<6/- .-, 4-,87,< .+< $+7.55=ÍL .+< .?.*+ &- -,1.+ , 4-* ,6 &- _ /7, &.*@$*6 Y # ,-= 5.- /0 7, /=. . 1* = . F*+<6/-2 ,N8,5*+? 7, *+?2 *6 /#,-47, 1,< 4* 7 <,65.*- . 7, $M, /0) /-M06 3$6*+,66 7, Q$,,+ #,-= * 2 .+< 4/ /0 7, -*+8,66,6 <=*+? 7, .+?* 6 6.*< / 7,.- * #,-= 0*-1 =Í 3$ 7.#, -,.6/+ /3, *,#, 7, *6 *+<*?+.+ . 7*6 &*+*6 ,-62 0/- 7.#*+? 6$00,-, < * / 8/1, 0/-4.-< . . 7, $M, /0) /-M2 . 1 / < 3= 7/6, 47/ 7.#, 6,,+ 1$87 /0 7*1 6*+8,2 *6 @$* , 6$+M $+<,- * L 0 7, *+?2 7/4,#,-2 6 /*8. .6 7, .55,.-,< /3,2 ,#*<,+ = 6$00,-,< +/ ,66 7.+ 7, / 7,- 1,13,-6 /0 7*6 0.1* = 7, 8*-8$16 .+8, /0 7*6 , <,6 6/+6 .+<*+? . //02 . . *1, 47,+ 6/ 7*C,. ,+*+? . 8 /$< 4.6 7.+?*+? /#,- 7*6 0.1* =2 6,,16 /7.#, ,65,8*. = .00,8 ,< 7*1 + ?-,. .?/+= /0 1*+<L 7, 6,+ /$-?, 7*1 /-,8/+6*<,- 7*6 <, ,-1*+. */+ ,$ -. * =2 7, 6.*<2 4.6 +/ 7*+?* 1/-, +/- ,66 7.+ 8/+<,1+. */+ 7, Q$,,+ . 6/ 4-/ , /7, -*+8, /7, 6.1, ,00,8 7, 7/+/$- /0 7, /=. . 1* =2 67, 6.*<2 .6 4, .6 7, 7,. 72 .+< 5,-7.56 7, *0, /0 7, *+?22 4,-, *+ 7*6 7.+<6 7, -*+8,2 7/4,#,-2 4.6 +/ /3, <*#,- ,< 0-/1 7, -,6/ $ */+ 47*87 7, 7.< 0/-1,<

Í 8:@"12)*; *+,.#<(%"<+! *1/(1 =*#*1 (00":.."1-%", (7*% E122(1 .*"1 *.%"*;,1-*.7 ,6*-,#<(%>"":(% - 8(@"12%"*"1 *+,.#<(%"<XN+! !!L

,' 4/$ < 6,**< </4+2 7,' 6.*<2 7,' ,,5,-' /0 7*6 -*#=' $-6,2 (/ /+,' \8&.7K+2 /'#/ ,'0/-' 7,' $M,2 7$ '4* 7 -,?.-< /' .+=' / 7,-' #/ ,6 47*87 *'4.6 *+' 7*6 5/4,-' /' *+0$,+8,2 7,' 5/6**#, =' -,0$6,< /' *+ ,-0,-,' '$872L' 4-* ,6 /-< ,15 ,2 '*6 7,'+. $-,'/0 7,'1.+†L'

F7.' -,1.*+6 /'3,' /< /0 7*6 $+7.55=' -.+6.8*/+' 1.=' 3,' 3-*,0=' -, . ,<' 7.' 7,' $M,' 7.< . /4,< 7*6 1*6-,66 /' *+ ,-0,-,'*+' 7,' .4.-< /0 1** .-=' 5-/1/G */+6 .+<,N87.+?,,6Y 7.' 7,'7.<?-.+ ,<8/11*66*/+6 /+' 7,-' -,8/*1+,+<. */+62 .+< 7.' 7,' 4.6 8/?+*6.+' /0 7,-' 7.#*+?' -,8,*#,< 1/+,=' 0-/1' 7/6,' 47/1' 67,' 7.< 6/' -,G 8/11,+<,<Y4.6 5.8,< 3,=/+< .' @$,6*/+' 7,' 1,-,' 0.8' /0 7*6 7.#*+?' 8/+0,--,< .' 8/11*66*/+' *+' 7,' .-1=' $5/+' .' 1.+' 47/1' *' 4.6 5-/#,<*+' ,#*<,+8,' 7.' 7,' 4, ' M+,4' /' 3,' 7,' 6,-#.+' /0 7*6 1*6-,662 4.62 .6 &-' -,1.+ ,' <,68-*3,6 *' /' /-< $8M*+?7.12 6$87 '.' 68.+<. /$6 .+<0.?-.+' .' 1*6$6,' /0 7*6 5/4,-2L'0' .+< 6/' /$-.?,/$6 .+' *+6$ ' /' 7,' 1** .-=' 5-/0,66*/+2 7.' 7,' $M,' 4.6 ,#*<,+ =' $+0* ,< /' -,1.*+' .' *6 7,.<' $' 47,7,-2 /+' 7,' /7,-' 7.+<2 7,' 7.<3,,+' ?$* =2 /' $6,' 7*6 /4+' 4/-<6*+' 7*6 , ,-' /' 7,' '5,.M,-2 /0 '.'8/--$5' 5.-*8*5. */+' *+' .+=' /0 7,' *+0.1/$6 -.+6.8*/+6L' 47*87 7.<3,,+' 3-/$?7' /' *?7 Y/-' ,#,+' 47,7,-'7,'7.<3,,+' .4.-,' .' 7,' *1,2 .6 .66,- ,<3=' &-6' (.-M,' *+' 7,-' ,#*<,+8,2 7.' 7,' 5-/0*6 /0 7,-' +,0.-*/$6 3-/M,-.?,' 4,+' /4.-<6 7,' 6$55/-' /0 7,' ,6 .3*671,+' 47*87 7,'7.< 5-/#*<,<0/-' 7,-Y.-,'5/*+6 /+' 47*87 7,' $M,'8,-.*+ =' <,6,-#,6 7,'3,+,0*' /0 .'</$3 ' ' . ',#,+62 7,' /$6,' /0 (/11/+6 .</5 ,< .' 87.-*.3 ,'#*,4' /0 7,' @$,6*/+2 .+< ,N/+,-. ,<7*1' 0-/1' 7,' 87.-?,' /0 5,-6/+.' 8/--$50 &10*:' */+' 3=' .' 1.B/-*=' /0 ,*?7=0 4/' #/ ,6A 7,' 6.1,

' $8M*+?7.1' .5,-62 #/ m*=' 5' 9' ' 3*<2 #/ '*#' 5' 9
'),' 18;6,.# =,.,' '*2*"1#-' ' 1' *;,1/;,1-' +.(+(#,/' 67' ".')(;*# 8.-(1' :)*.2"12' -),' 8@,' ="-)' -%",' @1(=%,/2,' (0' :(..8+-' +.*:-":,#' =*# %(#-' 67' *' ;*5(."-7' (0B!!U*2*"1#-' !L 2 3 '@ '0(.' '++' U ' U
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L! W

<.= 7, $M, -,6*?+,< 7*6 .55/*+ 1 ,+ .6 (/11.+<,-0*+0 (7*,0

: 03%)

F* % 2 0 ; --

C), "12 *:AF8*"1-# -), 8@, (0 (.-%*1/ -)*-),)*# -)"# /*7 .,%8:-*1-%7 *::,+-,/ -), .,#"21*-"(1 (0 -), 8@, (0 (.@ =)":))*# 6,,1 :(1<,7,/ -( )"# *5,#-7 "1 * %,--,. (0 =)":)),)*#I #,1- -), :(+7-(. ,.:,<*% *1/ =)":)), ="R (0 :(8.#, :(; ;81":*-,-( )"# :(%%,*28,#

CR1/,.-),#, +*"108% :".:8;#-*1:,#)"# *5,#-73# *--,1-"(1)*# 6,,1 /".,:-,/ -(-), 1,:,##*.7 *..*12,;,1-# 0(.-), 08-8., */G ;"1"#-.*-"(1 (0 -), *.;7 *1/ *0-,. :(1#8%-"12 -), .;7 "#- -), "12)*# #*-"#0",/)";#,%0 -)*- ,1,.*% ". *<"/ 81/*# "#B (0 *%% -)(#, =)(#, 1*I1,#)*<, (::8..,/ -( )"; -), 0"--,#- +,.#(1 -(6, ,1-.8#-,/ ="-) -), :)",0 -,;+(.*.7 :(; *1/ 6(-) 0.(;)*6"-# (0 68#"1,## .,#+,:-*6"%"-7 (0 :)*.*:-,. *1/ 0.(;-), /"#+(#"-"(1 =)":))"# *5,#-7 "# :(1<"1:,/), ="%% 0,,% -(*--,1/ #-."-%7 -(-), ; *"1-,1*1:, (0 -)*- #7#-,; *1/ -)(#, .,28%*-"(1# =)":) 81/,.-), /".,:-"(1 (0 -), 8@, (0 (.@)*<, +.(<,/ #(6,1,0":"*% -(-), ,.<":,

C - /(,# 1(- *++,*. -( )"# *5,#-7 -)*- *17 :)*12, ="%% 6, .,A8".,/ "1 -), :(1#-"-8-"(1 (0 -), (; *1/,.9"19)",0# (00":, (. "1 -), <*""(8# (00":"*%,#-*6%"#);,1-# :(11,:-,/ ="-)""-

!) D0

7, *+? .6 .?, .+< 3*+<+,66 *+8-,.6,< $5/+ 7*1 6,,16 /7.#, ?-/4+ 1/-, .+< 1/-, .#,-6, / 7, -.+6.8G */+ /0 3$6*+,66 .+< 7, <*68$66*/+ /0 5/**8. 1. ,-6 6 7, =,.- 7/4,#,- .<#.+8,< 7, <*6.6-/$6 5-/?-,66

I), 8@, (0 (.@ =*# .,9"1#-*-:/ "1 -), (0" :, (0 (; ;*1/,.9"19)",0 67)"# 6.(-),. -), ."1:, ,2,1- (1 -), L-) (0 *7 1 -), -) (0 -), 0(%%(="12 ;(1-) (./ "%-(1 ;(<,/ "1 -), (8#, * ,#(%8-"(1 -(-), ,00,:- -)*- "- C)*# 6,,1)"2)%7 ";+.(+, *1/ "1/,:(.(8# "1 -), */<"#,.# (0 -), ."1:, ,2,1- -( )*<, .,:(;G ;,1/,/ -( )"# (7*% "2)1,## -), .,9*++("1-;,1- (0 -), 8@, (0 (.@ -(-), (00":, (0 (; ;*1/,.9"19)",0D), ;(-"(1 =*# /,0,*-,/ 67 * ;5(."-7 (0 -(* 4 ; / 9<(% "" ++ ! 9

- *#-%,.,*2) ,--,.# *1/ ,#+*-:),# ,/"-,/ 67)*.%,# *.A8"# (0 (1/(1/,..7 S"(% <"" + ." *<"/ 81/*#? *.- =*# *++("1-,/ (; ;*1/,.9"19)",0(1 -), L-) (0 *.:) =):) (00":,),0"%%,/ -"%% *7 =),1 -), 8@, (0 (.@=*# .,9*++("1-,/ ." *<"/ /",/ "1 ,6.8*.7

8:@"12)*; *+,.# <(% "< + !L

/0‘ 7,‘ 8, ,3-S* ,< F . 87,-,+‘ N5,<* */+2‘ 8/13*+,< 4* 7‘ 7,‘ 7-,. ,+,< <*66/ $ */+‘ /0‘ 7,‘ &*+*6 -=‘ *+‘ 8/+6,@$,+8,‘ /0‘ 7,‘ . .-1*+?‘ * +,66‘ /0‘ 7,‘ $M,‘ /0‘ /- .+<2‘ 8/15, ,< 7,‘ *+?‘ /‘ 0*N‘ 7*6‘ 7/$?7 6‘ .+,=E‘ /+‘ 5$3 *8‘ .00.*-6I 7$6‘ 5-/<$8*+?‘ .‘ <,?-,,‘ /0‘ ,N8* ,1,+‘ *+‘ 7*6‘ 1*+< 47*87‘ * ‘ 4.6‘ * ‘ 8.5.3 ,‘ /0‘ ,+<$-*+?‘ 7,‘ * +,66‘ /0‘ 7,‘ $M,‘ /88.6*/+,< 7*1‘ 1$87‘ 5,-6/+.‘ <*6 -,66‘ *6‘ -.8,2 .0 ,-‘ 7.#*+?‘ . ,+<,< .‘ (/$+8*‘ *+‘ /+</+‘ /+‘ 7,‘ 99 70‘ /0‘ $?$6 2 4.6‘ /+‘ 7*6‘ 4.=‘ /‘ 7*6‘ 6,.‘ .‘ $ 6 -/<,‘ .-M‘ 47,+‘ 7,‘ 4.6‘ 6,*>,< 4* 7‘ .‘ 5.-. kE*8 6 -/M,2 .+<2 /+‘ 7*6‘ .--*#.‘ 7,-,2 4.6‘ -,1/#,< 0-/1‘ 7*6‘ 8.--*.?,‘ 65,,87 ,66‘ .+< *+6,+6*3 ,‘ ‘ 7,‘ *+?2L‘ 4-* ,6‘ &-‘ F‘ ‘ -,1.+ ,‘ /+‘ 7,‘ 9 72 ‘ 4.6‘ *+0/-1,<‘ /0‘ 7*6‘ 6,#,-,‘ * +,662 3$‘ /‘ 7*1‘ * ‘ 4.6‘ 8. ,< .‘ 0.*+ *+?00* ‘ / 7*+?‘ 8.+‘ ,@$.‘ 7,‘ ? //1‘ * ‘ 7.6‘ 8-,. ,< . ‘ F*+<6/-L‘ ‘ 0‘ 8/$-6,2 7,‘ -,. ‘ 6 . ,‘ /0‘ 7,‘ $M,‘ 8/$ <+/‘ /+?‘ 7,‘ M,5‘ 8/+8,. ,< 0-/1‘ 7,‘ *+?‘ ‘ 7,‘ *+?2L‘ 4-* ,6‘ -,1.+ ,2 ‘ *6‘ ? //1=‘ /‘ .‘ <,?-,,2 .+< ‘ M+/4‘ 7*1‘ /‘ 3,‘ *+‘ .‘ 6 . ,‘ /0‘ 7,‘ ?-,. ,6‘ <*6 -,66‘ /0‘ 1*+<2 3$‘ +/‘ *--* .3 ,‘ *+‘ 7,‘ 6 *?7 ,6‘ 1.++,-L‘ +< .?.*+‘ /+‘ 7,‘ 9: 72 7,‘ 4-* ,6 Y‘ ‘ *6 <,65.*-‘ .+< ? //1‘ . ‘ F*+<6/-‘ /‘ 7,‘ ?-,. ,6‘ <,?-,, L0‘ +‘ 7,‘ 8/$-6,‘ /0‘ 7,‘ 0/ /4*+?‘ 1/+7‘ /0‘ ',5 ,13,-2 .00.*-6‘ //M,< ,#,+‘ 4/-6,‘ 7,‘ -, *-,1,+‘ /0‘ 7,‘ $M,‘ /0‘ /- .+<0-/1‘ /00*8,2 *+‘ 8/+6,@$,+8,‘ /0‘ 7,‘ 6 .,‘ /0‘ 7*6‘ 7,. 7 Y 7,‘ 1*6$+<,-6 .+<*+?6‘ 3, 4,,+‘ /-< (.6 ,-,.?7‘ .+< (.++*+? Y 7,*-‘ 6* =‘ .+< $++,8,66.-=‘ <$,2 .+< 7,*-‘ 6$36,@$,+‘ *+8/+#,+*,+‘ -, *-,1,+‘ 0-/1‘ /00*8,‘ +,.-=‘ .‘ 7,‘ 6.1,‘ *1,‘ 4* 7‘ 7,‘ $M, Y-,+<,-,< * ‘ *15/66*3 ,2 *+‘ 7,‘ /5*+*/+‘ /0‘ . 1/6‘ ,#,-=‘ / 7,-‘ 5,-6/+‘ 3$‘ 7,‘ **+?2 0/-‘ 7,‘ 5-,6,+‘ &*+*6 ,-6‘ /‘ 8.--=‘ /+‘ 7,‘ /#,-+1,+‘ 7*6‘ 6 .,‘ /0‘ 7*+?6 Y*+#/ #*+?2 .6 * ‘ <*<2 7,‘ 5-/3.3 ,‘ -, $-+‘ /‘ 5/4,-‘ /0‘ .‘ F 7*?‘ <1*+*6 -. */+‘ 4* 7‘ /-< -,+#* ,‘ .‘ * 6‘ 7,.<2 .+< 8/+6,@$,+ =‘ 7,‘ . 1/6

8,- .*+ -,#*#. /0 7, (. 7/ *8 8 .*16 .6 . /#,-+1,+ 1,.6$-, Y 8/$ < 68.-8, = 0.* / /88.6*/+ 7, ?-,. ,6 <*6G -,66 / 7, *+?2 0 .+= 7*+? 8/$ < 7.#, .<<,< / 7. <*6 -,662 * 4.6 7, $+8/+@$,-.3 , <*6 *M, 47*872 6*+8, 7, *1, 7. /-< -,+#* , Y / $6, 7, *+?06 /4+ 4/-<6 Y 7.< . ,15 ,< / 0/-8, 7*6 8/+68*,+8, L 7, 7.< 8/+G 8,*#,< 0/- 7. +/3 ,1.+ , 7.< 3/-+, 4* 7 0/- * $<,2 7, 6.*<2 1.+= *+<*?+* *,62 .+< 1.+= 1/6 <*6.?-,,.3 , ,13.--.661,+ 62 <$-*+? 7*6 *0,2 3$ *0 /-< -,+#* , 4,-, .?.*+ 0/-8,< $5/+ 7*12 7, 7/$?7 7*6 +,-#,6 4/$ < 3, $+,@$. / 6$87 .+ ,+<$-.+8, L & /-, 7.+ /+8,2 <$-*+? 7, .6 4/ =,.-62 7, *+? 7.< / < /6, 7. /-< -,+#* , 4.6 1/-, /3+/N*/$6 / 7*1 7.+ /N 7.< ,#,- 3,,+ 0 /$3 ,66 /-< -,+#* ,06 $+8/+8* *. *+? 1.++,-62 .+< $+3,+<*+? +. $-,2 7.< 1$87 / </ 4* 7 7, *+?06 -,5$?+.+8, /-< -,+#* , 7*16, 0 .<1* 62 *+ /+, /0 7*6 , ,-6 / 3*6 3-/ 7,- /-< $8M*+?7.12 7. 3, *6 +/ 8/15, ,+ 0/- 7, 1.+.?,1,+ /0 1,+ LA /4 * . ,.6, . 7*6 8-*6*6 4.6 7, 7,.- /0 7, .00*8 ,< *+?2 4, 7.#, .15 ,,#*<,+8, / 5-/#, / .<= </+ 7, (7.+8, /- 4-* ,6 /+ 7, 9_3 /0 ',5 ,13,- Y . 1 B$6 ?/*+? / . 1,, *+? /0 6$87 /0 $6 .6 7.#, 7,.- 6 0,, *+? 0/- 7, *+?2 / 6, 47. 8.+ 5/66*3 = 3, </+,2 .6 . . ,156 / 3-*+? 1. ,-6 / -*?7 6 .?.*+ 7.#, 0*+. = 0.* ,< 8.++/ 2 0/- /+,2 6, . -.= /0 7/5, 7. .+= 7*+? 8.+ 3, .--.+?,< 47*87 8.+ 7.#, .+= ,+<$-.+8, DE*02 *+<,,<2 .+= .--.+?,1,+ 47. ,#,- 8.+ 3, 1.<, +< =, 7, 5//- *+?2 *+ .+?$.?, 7. 1.M,6 /+,06 7,.- 3 ,,< 0/- 7*12 $-?,6 7. 4, 67/$ < +/ -$+ .4.= 0-/1 7*1 &= 3,.< .+< 7,.- .-, 5,-5 ,N,< .+< ?-*,#,< 0/-

[8:@%*1/ " ..,#+(1/,1:, <(% "< + !! - (#,3 "*.",#<(% ""+ ! !
5*g (0 --J(0,= +("1-* (1 =@": -%", "12 *1/%""# ,%/,#- #(1 *2.,,/ #,, ;# -(%"*<(
S6,,1 "1 * ; 1% ; " /"#%"@, (0 (./ .,1<"%%, C (./ %"(%"1(1/,%,7 D =."-,# (./
P 1%@,%,7 C -(%/ ; , *- .((@#3#%*#-7,*. -%"*-@, ."1:, :(8%/1(-6,*. (./ .,1G
<"%%, 6,:*8#, 6, :(8%/1(- -*%@ 699999 7 (= ,.:,<*% +*##,# -)*- (./,*% #)(8%/
%"@, -(@1(=D4 ,%%,."(* 23 + /(! 4 4 & U
<(% "< ++ ! 9

1=' / < 1.6 ,-06 6.M, L ' ?.*+2 /-< </+' 4-* ,6 /' .<=' </+' /+' 7,'0/ /4*+?' <.=IY ' 0' 'M+,4' 7. ' '4.6 /' ?/' /$2 ' 4/$ < 8/1,' /' =/$' *+6 .+ =2 .+< 6 .=' /#,-' (7-*6 1.6' 0' 'M+,4' ' 4.6 /' 6 .=' *+2 ' 8/$ < 7,+' M+/4' 47,+' .+< 7/4' ' 4.6 /' 6,,'=/$' '/1,'/0' 7,'5 .+6 5-/5/6,< .-,' 47. ' ' </' 1/6' ?-,. =' .37/-2 .+< ' 7*+M' 7,=' 4/+' '6$88,,<' '7.#,' /00,-,< 1=' /00*8,' /' 7,' *+?' .+< / < 7*1 Y0/-' ' 4-* ,' 8/+6 .+ =' 47,+' '</+C'6,,'7*1' Y 1=' M*+?6 .+< <*6 *M*+?6' P /-' -/<06 6.M,2C 7,'6.=62 P</+C'=/$ -$+' .4.=' 0-/1' 1,'T /+C' -,<$8,' 1,' /' 7,' 6 . ,'*+' 47*87' =/$ 0/-1,- =' ,0' 1,') /$.-,' 1=' 67,,0' .+87/-'TC ' 0,.-' 7,' ,00,8 6 /0' 7*6 .?* . */+' .+< .?/+='I .+< ' </' 5-.=' /< /' 5-/ ,8' 7*1' *+' 7*6 7*6 7/$-' /0' <*6 -,66 L'0

7,' ,N5,<*,+' 47*87' &*+*6 ,-62 .0 ,-' -,5,. ,< <, *3,-.G */+6 .1/+?' 7,16, #,62 <,8*<,< $5/+' 5-/5/6*+?' /' 7,' *+?2 4.6 .' 8/. * */+' 4* 7' /-<6 -,+#* ,' .+< -,=A' 7,=' 4,-,' 0$ =' .4.-,2 .6 7,=' .<1* ,< /' 7,*-' 0-*,+<62 7/4' ?-,. ' 4/$ < 3,' 7,' *+?06 -,5$?+.+8,' /' 6$87' .' 1,.6$-,2 7$' 7,' .<#*8,2 7,=' 6.*<2 4.6 7,' 3,6' 47*87' 7,=' 7.< /' /00,-' 7*1' 88/-<*+?=' /+' $,6<.=2 7,' 9 72 ,-8,#.' .*< 3,0/-,' 7,' *+?2 .' F*+<6/-2.' &*+$,' /0' 7,' (.3*+,2 ,N5 .*+*+?' 7,*-' 1/*#,6 0/-' -,8/1 1,+<*+?' .' 5-/8,<$-,' 47*87' 7,=' M+,4' /' 7,' 6/' $+5. . .3 ,' /' 7,*-' '/#,-,*?+' 7,' *+?2.6 ,-8,#.' *+0/-1,< 7,' '5,.M,-2 67/4,< 7*16,0' ',N -,1,=' .<#,-6,' /' 7,' 5-/5/6,< /#,-G $-,2L' 3$' +,#,-7, ,66 8/+6,+ ,< /' .M,' *' *+ /' 7*6 8/+0 6*<,-. */+2[' ' 4.6 7*6 *+ ,+ */+2 7,' 6.*<2 /' 8/11*' 7*6 6,+*1,+6 /' 5.5,-' .' 7,' 6.1,' *1,' 7,' <,6*-,< 7.' .' 1,, *+?' /0' 7,' (.3*+,' 67/$ < 3,' 8/+#,+,< 0/-' 7,' 0/ /40

' ="##3' %"0,' (0 (./' %/(1'<(%'""'+' ! -' 6"/ '<(%'""'++' !U
0 (./' (%:),#-,.3' "1.",#'<(%'""'++' L9
Z 6"/ '<(%'""'+' ' (./' (%:),#-,.'.,+.,#,1-#-),'"1-,.<",='6,-=,,1'-),' "12' *1/' :.,,<1' -(')*<,'-1%5(1'+%*:,'(1'*' ; 9'=)":)'=(8%/'0">' "-'-(')*<,'6,,1',"-),.' (1'-)(' -)'(.'-),' L-%"'),'"1-,.<",='),(=,<,.':%:"8%7'-((@'+%*:,'(1' 8,#/*7'-),' -)'9' ' $ M'* ' '" '<(%'""'+'

+? 7$-6<.=2 7, 96 2 47,+ 7, </8$1,+ 67/$< 3, .< 3,0/-, 7*6 &*+*6 ,-62 0/- 7,*-*+0/-1 . */+ .+< .<#*8, F 7,+2 /+ 7, *+ ,-#,+*+? <.=2 F ,<+,6<.=2 /-< </+ 6.4 7, *+?2 7, 0/$+< 7*1 ?-,. = .?* . ,< .+< *1<,0 8*<,< 0 ,- 0*+*67,< 1= , ,-=,6 ,-<.=2L 7, 4-* ,6 / .<= </+ /+ 7, 96 2 4,+ / 7, ,#,,2 .+< 7.< .+ .$<*,+8, /0 7, *+? 0/- . 0$ 7/$- *6 .?* .G */+ .+< $+,.6*+,66 4,-, 6$87 .6 7.#, ,0 1, 5,-0,8 = .?* . ,< .+< $+,.6= ,#,- 6*+8, ,0 7*12 7/$?7 7.+M /< .1 @$* , 4E, <.-, +/ 8/11* / 5.5,- 47. 5.66,< L0

7, (.3*+, 1, /+ 7, .55/*+ ,< <.=2 7, 96 2 3$ / 7,*- 6$-5-*6, 4*7/$ -,8,*#*+? .+= , ,- 0-/1 F*+<6/- F , 4.* ,< . /$- 1,, *+? / . . , 7/$-2L 4-* ,6 /-< </+2 3$ +/ 5.5,- 8.1, 0-/1 7, *+? *+0,- 0-/1 7*6 7. 7, *6*+ . 1/6 $+7.55= 6 . , /0 <*00*8$ = .+< M+/46 +/ 47. / </ .+< ?-,. = 0,.- 7. 6/1, 7*+? /0 7, #,-= 4/-6 6/- 1.= 0/ /4 $5/+ 7, .?* . */+ L + 7, 0/ /4*+? <.= 7, (.3*+, 1, .?.*+ 7, 5-/1*6,< 8/11$+*8. */+ 0-/1 7, *+?2 7.#*+? *+ 7, *+ ,-*1 3,,+ -,8,*#,< 0 ,- 4-/ , / =/$ =,6 ,-<.=2L 8/+ *+$,6 7, /-< (7.+8, /-2 4,+ / 7, 1,, *+?2 .+< 7,-, 0/$+< 7. ,-8,#. 3.< -,G 8,*#,< 7, *+?06 5.5,-2 47*87 *6 /+, /0 7, 0*+,6 8/1G 5/6* */+62 .+< 7, 1/6 .00,8 *+?2 ,#,- 6.4 /- 7,.-< *+ 1= *0, 0 ,- <*68$66*+? 7, 6 -,+? 7 47*87 .+= <1*+G *6 -. */+ 8/$< 7.#, 7. <*< +/ *+8 $<, -,+#* , .+< -,=2 7, .8M+/4 ,<?,6 7. 7,-, 4/$< 3, . 4,.M+,66 *+ / 47*87 . 6,+6, /0 <$ = / 7*6 5,/5 , 8. 6 $5/+ 7*12 3= ,#,-= 5,-6/+. 6.8-*0*8,2 +/ .00,8 *+? 7*6 7/+/$- .+< 8/+6/*,+8,2 / ,+<,.#/$- / .#/*< , 7,-,0/-, 5,-1* 6 7*6 5-,6,+ 6,-#.+ 6 / 8/+#,-6, 4* 7 7,1 $5/+ . 1/-, ,N ,+<,< <1*+*6 -. */+ 7.+ 7*6 5-,6,+ 6,-#.+ 6C8/$< *,+*6,B#,6 1.M, 3$ <,8 .-,6 5-,#*/$6 = .+< 6/ ,1+ =

7. ' *0 .+= .--.+?,1,+ ' *6 /00,-,< /' 7*1' 47*87 </,6+/ ' *+8 $<,' 6$87 .' 67.-,' /0 7*6 5-,6,+ ' 6,-#.+ 6 .6 67. ' ,00,8 $G . =' 5-/ ,8 ' 7*1' .?.*+6 ' 7,' -,+,4. ' /0 1,.6$-,6 47*87 7*6 8/+68*,+8,' 8.++/ ' .66,+ ' /2 7. ' 7,' 4* ' ?/' /+' 4* 7 7*6 5-,6,+ ' 6,-#.+ 6 . ' . ' 7.>.-<62 7-/4*+?7*16,0 $5/+' 7*6 5,/5 ,' .+<7*6 /<Y7*6 5,/B* ,' 47/6,' -*?7 62 7,' 6.=62 7,' +,#,-' M+/4*+? =' *+B$-,<2 .+<7*6 /< /' 47/6,' 5-,6,+8,' 7,' *6 <, ,-1*+,<2 47,+,#,-' 7,' *6 8. ,<7,+8,2 /' ?/' 4* 7 .' 5$-,' 8/+68*,+8,' ,' 5-,<*8 62 7/4,#,-2 7. ' 7/$?7 7,2 *+' <$ =' /' 7*6 5,/5 ,2 6$31* 6 /' 7*6 1/-*0=*+?6 ,52 7,=EY -,+ * ,' .+< -,=Y4* ' +/ ' . /4' .+=' ,00,8' /' * ' I .+<7,+' .<<-,66,6 7*16,02 *+' 7,' 1/6 ' 5. 7, *8 6 -.*+62 /' . ' 7*6 5-,6,+ ' 6,-#.+ 62 8. *+?0/-7 . ' 7,*-' 8/$-.?,2 7,*-' -,6/$-8,62 .+<7,' <*687.-?,' /0 7,*-' <$ =' /' 7*1 L' '

$-*+?7,' *+?06 *+ ,-#*,46 4* 7 ,-8,#. ' . ' 7*6 *1,2 7,' +/ ' /+ =' -,5,. ,< =' ,N5-,66,<7*6 <, ,-1*+. */+' /' -,6*6 ' 7,' 8.*16 /0 7,' /1.+' (. 7/*862 7$ ' -,* ,-. ,< 7,' .66,-#. */+6 47*87 7,' 7.<1.<,' *+' 0/-1,-<.=62 7.2 6//+,-' 7.+' =*, <' /' 7,12 7,' 4/$<.3.+</+' 7*6 7-/+,0 F7=2 7,' .6M,<2 <*< +/ ' /-<6 -,+#* ,' .+< -,=' 0/ /4 7,' ?,+,-/$6 ,N.15 ,' /0 &-' * 2 3=' 5-/1*6*+?/' -,0-.*+' 0-/1' 5,-6,8$*+?7*1' 4* 7 7,' @$,6*/+' <$-*+?7,' -,G 1.*+<,-' /0 7*6 *0,S &-' * 2 7,' 6.*<2 7.< +/ ' /+ =' ?*#,+' 7*1' 7. ' 5-/1*6,2 3/7 #,-3.B =' .+<*+' 4-* *+?2 3$ ' 7.<?$.-.+ ,,<' /' /55/6,' 7,' 1,.6$-,' *+' .-*.1,+2 3=' 47/16/,#,-' * ' 1*?7 ' 3,' 3-/$?7 ' 0/-4.-<' 7,' 8/+#*8G */+6 /0 7,' 4/' /-<62 7,' .<<,<2 4,-,' 3$ ' 7,' 8/+#*8 */+6 /0 =,6 ,-<.=2 47* ,' /+' 7*6 5.-2 7,' 4.6 -,@$*-,<' /' .3.+</+' 7,1,<' 5-*+8*5 ,6 /0.' 47/ ,' *0,E

6 7,' *+?7.<.+*8*5.,<' /-<6 -,+#* ,' .+< -,=' -,B,8,<7,' /#,-$-,6 47*87 4,-,' 1.<,' /' 7,1I[' 7,

I' ="##3# "0,' (0 (./' %/(1' <(%' "" ' ++' 9 ' 0' (#,3# "*.",#' <(%' "" ' +' ! L
H (./' (%:),#-,.3# "*.",#' <(%' "" ' +'
Z),."/*1' *1/' +,.)*+# ;*17' (-),.#' =,.,' (0' (+"1"(1' -)*-' -),' -=('%(./# =,.,' -('
6%* ;,' 0(.' .,08#"12' (00":,' 8#,' #+,*@"12' (0 1' /"" ;(.' *-' =)":)')(' =*# +.,#,1-' "1'
,.:)*1-' *"%(.#3 *%%' (1' -),' L-)' (0 :-(6,.' =."-,#&4C .'),."/*1' =*# *-' -),

-,6$ ' 3,*$? 7. ' 7,' 5-,6,+' &*+*6 ,-6 4* * 7,' .88,66*/+' /0 7,' &.-@$*6 F, ,6 ,=' .6 /-,*?+' ',8-, .-= .+< 4* 7 &-' ,-8,#.' .6 -*1,' &*+*6 ,- 4,-,' ,0' /8.--=' /+' 7,' /#,-+1,+' .6 3,6' 7,=' 1*?7 ,-8,#.' 3,8.1,' *-6' /-< /0 7,' -,.6$-=' .+< (7.+8, /-' /0 7,' N87,@$,-I /-< .4M,63$-=' -,1/#,< 0-/1' 7,' /1,' 00*8,' /' 3,' ',8-, .-=' 0/-' F .-' .+< 7,' (/ /+*,6I &-' *87.-< =<,- 3-/ 7,-' /0 7,' .-' /0 .--/43= 6$88,,<,< /-< .4M,6G 3$-=' .6 /1,' ',8-, .-=

/4' B$6 =00/$+<,< .+< 6.?.8*/$6 4,-,' 7,' *+?00 .+*8*5.*/+6 4.6 5-/#,< 3=' 7,' -,6$ 6 /0 &*+*6 ,-6 7.#*+?' 0/ /4,< 7,' .<#*8,' 47*87 7,' ?.#,' 7,1' 7,' 0.8 6 .-,' +/' .' * ,' -,1.-M.3 , 7.' *+6 ,.< /0 7,' /- .+< <1*+*6 -.*/+' 0. 7+?' 6/' -.5*< =' /' 5*,8,6 .6 7.< 3,,+' 0,.-,< 3=' 0-*,+< .+< 0/-, / < 3=' 0/, 4/' /0 *6 1,13,-6 Y' /-< </+' .6 /-< (7.+8, /- .+< 7,' .-' /0 F,6 1/-, .+< .6 -*#=' ',. Y8/+*+$,< /'7/ < 7/6,' .55/*+ 1,+6' 0/-' +/' 0,4,-' 7.+' ,*?7,,+' =,.-6 47*,' 7,' .,' 5-,1*,- /-< .1,-6 /+ 47/' 3,8.1,' ',8-, .-=' .' F .- -, .*+,< 7.' 6* $.*/+' 0/-' .6 1.+=' .6 +*+, ,,+' =,.-6

7,' W 7' /0 8/3,-' 7*6 =,.- 3,*+?' 7,' <.=' /+' 47*87' 7,' *+?' 8/11,+8,< 7,' 0*0*, 7 =,.-' /0 7*6 -,*?+ 4.6 8, ,3-. ,< 7-/$?7/$' 7,' ,15*-,' 4* 7 ,N-./-<*+.-=' -,G B/*8*+?6' 7.+M6?*#*+?6 4,-,' /00,-,<$5*+' 7,' 87$-87,6

/"11,.' *%#('*1/' ')*/' *' 2((/' /,*% (0':(1<,.#*-"(1'9="-)')";' *0-,.'"-' = #' (<,.' ,' 6%* ;,/' -),' :(1/8:-' (0 (./' .,7' *1/' (./' .,1<"%%,' *1/' #*"/' -),7')*/' 2"<,1' -),' (<,.1;,1-' _.7' 2.,*-' */<*1-*2,'67' "-?%* ;,1-,/' -)*-' (./' .,7')*/' 1(-' *#@,/' *1' *8/",1:,'(0'-),' "12? *1/',>+.,##,/' *' ;(#-'/,:"/,/'(+"1"(1'(0'-),'0(%%7' *)/';*/1,## (0'*2*"1'#-"..'12' -),' *-)(%":'H8,#-"(1' /8."12'-),' "123# %"0,' *# =,%% *# -),':.8,%-7? */"12' -)*-' -),' -=(' +,,.#)*/')*/' *' +.,--7' 2((/' *##8.*1:,' (0' -),'0,,%"12# (0'-),' :(81-.7' 8+(1' "-D4 0 '<(%'"'+'U ' <,1' (./' .,7')";#,%0'"# #*"/' -(')*<,' */";"--,/'-)*-'-),' *-)(%":#'-),;#,%<,#C'/"/' 1(-'="#)'-),'A8,#-"(1'-('6,'+.,##,/'1(.' :*.,'*'0*.-)"12' *6(8-' "-?D'*//"12' -)*-"0')*/'6,,1'#,1-'0(.'-('-),'.(7*%:%(#,-'),' =(8%/'MM"1' *' #"12%,' #,1-,1:,')*<,' #,-' -%",' "123# ;"1/' *-',*# * 4 M' 0 '<(%'"'+' U),#,'#,1-";,1-#=(8%/'#,,;'-(')*<,':(;,'-('-),'@1(=%,/2,' (0'-),' ("89-? *-'%,*#-' (./BF*-%1-.#-'-(%/' (#,'-)*-'-),' "12'=(8%/'."(-')*<,'(65,:-,/' -(' (./' .,7' *%-)(82)' -),' /"#%"@,' =)":)'),' ,1-,.-*"1,/'0(.' (./' .,1<"%%,' =*# C"1#8+,.*6%, D4@)'0 '<(%'"'+'!

<,3 /-6 4,-,' *3,-. ,< 0-/1' 5-*6/+' 1** .-=' <, *+@$,+ 6 4,-,2 5.-</+,< 7,' 5//-' 4,-,' 0,.6 ,< .+<2 8 / 7,< ?.=' 0,6 *#* *,6 <*< 7/+/$-' /' 7`' <.=2 .+< 3-* *.+' * $1*+.G */+6 /' 7,' +*?7

+' 7,' **' /0 8 /3,-2 0*#,' <.=6 .0 ,-' 7,' .++*#,-G 6.-=' /0 7,' *+?06 .88,66*/+2 <*,< 7,' $M,' /0 /- .+<' 7/$?7 3/.6 *+?' +,* 7,-' 65 ,+<*< .3* * *,6 +/-' .' #*?/-/$6 $+<,-6 .+<*+?2 7*6 B$<?1,+' 4.62 ?,+,-. =' 65,.M*+?2 6/$+<2 7*6 5/ * *8.' 5-*+8*5 ,6 5$-,2 .+< 7*6 1/ *#,6 5. -*/ *8' +' <*6BX/6* */+' .+< 87.-.8 ,-2 7,' 4.6 .' 1* <2 .+' .1*.3 ,2 .+< .' 7/-/$?7 =' 7/+/$-.3 ,' .+< $BX-*?7' 1.+' ,' 7.< /+?' 3,,+' .' ?-,. ' 6$00,-,-' 0-/1' .' 1/6' ,N8-$8*. *+?' <*6/-<,-I' 7*6 0*C*,+< /-< &. 1,63$-=' *+G 0/-1*+?' $6 7. 2 .0 ,-' 7,' $M,' 7.< 3,8/1,' -,1*,-' *+' 9; :2*' 4.6 '6/ , =3=' /*$. ,6 .+< .$<.+$1'L' 7. '7,'4.6 ,+.3 ,< /' 6$55/-' 7,' 0. *?$,6 /0 /00*8, ' 2 7,'0/ /4*+?' =,.-' 7*6 8/+<* */+' ?-,4' 4/-6,' *6 8/15 .*+2 7,' 6 /+,2L' 4-* ,6 /-< &. 1,63$-=2 '4.6 -, $-+*+?' I .+< 7,',N8-$8*. *+?' 5.*+' 7*6 /88.6*/+,<2B/*+,<0 /' 7,' 4/--=' .+< /-1,+' /0 7*6 /00*8*.' 6* $. */+2 @$* ,' 3-/M,' 7*1' </4+' '7.#,' 3,,+' /0 ,+' 4* 7' 7*1' 47,+' ' 7/$?7' 7,' 4/$ < 7.#,' <*,< *+' 7*6 87.*-' I .+< 7*6 5/4,-6 /0 . ,+G */+' 4,-,' 6' 4,.M,+,< 7.' 7,' 8/$ < +,* 7,-' -,.< .' 5.5,-2 +/-' *6 ,+' 0/-' .' 47* ,2 4* 7/$' 3,8/1*+?' <-/46=' .+< 0. *+?' .6 ,,5') ,' 7,' 4/$ < +,#,-' , ' 1,'?/' .4.=' .0 ,-' <*++,-' 47,+' 7,' -,6' /0 7,' 8/15.+=' 4,+2 3$' . 4.=6 $-?,< 1,' /' -,1.*+' /+' 4* 7' 7*12 47*87' ' /0 ,+' <*< 0/-' 7/$-62 47,+' 7,' 4.6 ,@$.' +,* 7,-' /' . M' +/-' /' 7,.-' 3/$' 4, #,' /-' /+,' /08 /8M' 7,' ?,+,-. =' -. *,<2 .+< 7,' 7.6 1.<,' 1,' 6*' $5' 1.+=' +*?7 6 .0 ,-' 1=' 6.' 7/$-' /0 -, *-*+?2 5.-*8$.-=' 4/Y 7,' 9; 7' .+< 9 */0' A.+$.-=2 9; ; Y 47,+' 7,' 4*67,< 1,' /' .66*6' 7*1' *+' <-.4*+?' $5' 7,' *+?06 '5,,87' 0/-' 7,' /5,+*+?' /0' .-*.G 1,+' /+' 7,' 96 0' 7,' $M,' ,N5*-,<2 67/- =' .0 ,-

7.#*+?' $+<,-?/+,' .' 5.*+0$' 6$-?*8.' /5,-. */+?' *+' 7,' 6,#,+ =06,8/+<' =,.-' /0' 7*6' .?,' '4.6' 7,' 8/+#*8 */+' /0' 7,' ,.+' /0' (7-*6 87$-87?8/1 1$+*8. ,<3='7*1' /''5,.M,-' 33/?' 7.' 6/' ?-,.' 4.6' 7,' 1,+ .' <*6@$*, $<,' 47*87' 7,' $M,'7.<6$00,-,<0-/1' 7,'6 . ,'/0'5$3*8' .00.*-6?' 7.' 7.<7*6' 8/15 .*+' +/' 3,,+' .' 1/- .' /+,?7,'4/$<7.#,' <*,</0'.'3-/M,+'7,.-'

$-*+?' 7,'-,1.*+<,-' /0' 7,'=,.-?4,'0*+<' 7,' *+?' +/' /+ =' /'.' .55,.-.+8,' *+' 7,' 5/66,66*/+' /0' ?//<7,. 7' .+<' 65*-* 6?3$' *+<$?*+?' /+' 1/-,' 7.+' /+,' /88.6*/+' 7*6' 0/-1,-' /#,' /0' 7.-1,66' 5,.6.+ -=' F7,+?0/-'*+6 .+8,?' /+' 7,'96' /#,13,-?7,''5,.M,-'4.*,<$5/+'7*1'.'7*6' ,#,,?7,' *+?'?//<07$1/$-,<='*+@$*-,</0'7*1'47,7,-' 7*6' /3B,8'*+'8/1*+?' /' /+</+'4.6' /'.,+<7,'(,-,1/+=' /0' 7,'0$-7,-'5-/-/?.*/+'/0' .-*.1,+'S' 7,''5,.M,-' .+64,-,<*+' 7,' +,?.*#,?.<<*+?' 7.' 7,'5-.8*8,'7.<' 3,,+'<*68/+*+$,<3='7*6'5-,<,8,66/-' ' 7TL'6.*<7,' *+E?'' 4*',' =/$7/4'.' 7.'8.1,'.3/$' ''*-'A/7+' $6'4.+,</'?/'''5.?'.+<'<,6*-,<'4/$<,N8$6,'7*6' .,+<.+8,' $5/+' 7,' -/-/?.*/+'<$-*+?' 7,' -,8,66' 7,+'8.1,''*-' ,87,-' /-/+?'.+<7,'//M'.<#.+.?,'/0' 7,'.6'5-,8,<,+' &-'(/-+4.'0/' /4,<7,'6.1,I'.+<' 6/'7,''5,.M,-6'7.#,'.'8/+6*<,-,<7,16,#,6'.6'?/*+?'/' '5.',#,-'6*+8,L'0' ?.*+Y47,+?*+'7,'0/' /4*+?'1/+7?' /-<' -,+#*,'6//<.6'.'8.+<*<.,'0/-'7,'(7.+8,' /-67*5' /0'7,'H+*#,-6*='/0' N0/-<*+'7,'#.8.+8='/88.6*/+,<3=' 7,'<,.7'/0'7,' $M,'/0' /-.+<Y7,' *+?'/36,-#,</' /-<' </+Y'' 4*'3,'7.-<*0' N0/-<67/$<7.#,?.' /5*67' (7.+8, /-?.6'4,'.6'(.13-*<?,'.+'H+*.-*.+' /+,L'A' 7,' *+?'/0'8/$-6,?-,0,--,</'7*6'0/-1,-' *-6' &*+*6,-?' $?$6 $6' $M,'/0' -.0/+?47/'4.6'1/-,'7.+' 6$65,8,</0',+,-.*+*+?'H+*.-*.+'5-*+8*5,6

I' (./F(%:),#-,.3#' "*."',#'<(%'""'+' U
-' 6"/'<(%'""'+' !
5' -' ="##3#' "0,'(0' (./' %/(1'<(%'""'+'

7,' 0/ /4*+?' -*0 *+?' 5*,8,' /0' (/$-' ?/66*52' .6' 8/++,8 ,<' 4* 7' 7,' 5,8$ *.-* *,6' /0' .' 8, ,3-. ,<' 1.+2' 1.=' +/ ' 3,' 7/$?7' $+4/- 7=' /0' *+6,- */+' .<=' ,' (*00/-<2L' 4-* ,6' .' 8/0 ,15/-.-=2' / <' 1,' 7.' *+' .' 8/+#,-6. */+' 67,' 7.<' 4* 7' 7,' *+?' .' F*+<6/-' 6/1, 7*+?' 4.6' 6.*<' /0' /-<' -6 <+,06' *' 0/-' -,#,+ */+' /0' (-$, =' /' +*1. 6f' E'47*87' 7*6' &.B,6 =' .6M,<' .<=' ,' (*00/-<' *0' 67,' 7.<' 7,.-<' 7.' /-<' -6M*+,' 3, *,#,<' *+' 7,' -.+61*?-. */+' /0' 6/$ 6f' 7.' 7,' 7.<' 3,,+' / <' 6/2' .+<2' .6' .' 5-//0' /0' *2' M,5' 4/' ,,87,6' *+' .' 3/ ,2' 47/1'7,' 8. ,<' 4/' /0' 7*6' <,5.- ,<' 0-*,+<6' .<=' ,' (*00/-<' / <' 7,' *+?' 7,' 7.<' 3,,+' 1$87' 1*6*+0/-1,<f' 7.' *' 4.6' -$,' *+<,,<' 7.' /-<' -6M*+,' M,5' 4/' ,,87,62' .+<' 7.' 7,' 8. ,<' 7,1' /8 /-' .* *,' .+<' &-' $1,2' 7*6' 57=6*8*.+' .+<' 6$-?,/+2' 1,.+*+?' 7.' 7,' 1.<,' *\6,' /0' 7,1' .6' 6$87 L'0' ' 1.=' 3,' 1,+G */+,<' 7.' /-<' -6M*+,06' ,88,+ -*8' .00,8 */+' 0/-' 7,6,' ,,87,6' 8-,. ,<' .' ?//<' <,.' /0' .1$6,1,+' .1/+?' 7*6' 0-*,+<6' .+<' .8@$.*+ .+8,6

$ 7,' =,.-' 9;9 2L' 4-* ,6' &*66' (/-+, *.' +*?7 2' 47/' 4.6' 6 * ' </1,6 *8. ,<' 4* 7' Q$,,+' (7.- / ,2' 4.6' .' #,-=' 1, .+87/ =' /+,' .' F*+<6/-' 7,' . ,15' /' .66.66*+. ,' 7,' $M,' /0' ($13,- .+<' 8.$6,<' ?-,. ' <*6@$*, $<,' 7,+' 0/ /4,<' 7,' .00 *8 *+?' * +,66' 47*87' ,+<,<' *+' 7,' <,. 7' /0' 7,' .1*.3 ,' -*+8,66' 1, *.2' .+<E' .6 =2' 7,' 1. .<=' 7.' /#,-47, 1,<' /$-' ,N8, ,+' ' /#,-,*?+' 7.6' .' ? //1' /#,-' 7,' (.6 ,' 47*87' 4.6' +,#,-' -,1/#,<' <$-*+?' 7,' -,1.*+<,-' /0' 1=' 6 .=' *+' * 6' +,*?73/$-7//<L' A' .-M' <.=62' *+<,,<2' 3-//<,<' /0#,-' 7,' /=.' .1* =' f' 77' 3=' 0.-' 7,' <.-M,6' 4,-,' 7/6,' 47*87' 4,-,' *+' 6 /-,' 0/-' 7,' #,+,-.3 ,' *+?

),' ;7#-,."(8# *--, ;+-' (1' -),' %"0,' (0' -),' 8@,' (0

I' (+)"*' (=*2,.' */7' /,' %"0"6./' 2(<,.1,## -(' -),' ."1:,##)*.%(--,' ,,' ' ++' U !' U U' */7' ,')00(./' /",/' "1' '

J' (8 ; *%#8(0' (%(1,% ,1.7' (.-(1' E"%%"#' (;+-.(%%,.' (0'-),' (8#,)(%/' -(' ' ' '-),' ."1:,##)*.%(--,' (0' E*%,#

' 8-(6"(2.*+)7' (0' "## ' 1"2)-' <("' "' +'

($13.- .+<2 -,0,--,< /3= &*66 +*?72 //M5 .8,*+ ' A.1,606 . .8,*+7,<,.< /07,+*?7 /07, 7/0&.=2 /- -. 7,- ,.- =*+7,1/-+*+?/07, 96 +8/++,N*/+ 4*7 7*6 -.?*8. .00.*-2 1.+=5.*+0$ 6$-1*6,6 .+< <.-M .88$6. */+6 4,-,1/-,7.+47*65,-,<. 7,*1, 1/+?/ 7,-62 .67/8M*+?-$1/$-?/ .3-/.< 7.2*+6 ,.< /0.+=. ,157.#*+?3,,+1.<,$5/+7,*0,/07, $M,2A*,4.6*+0.82 0/-8,- .*+5-*#. ,-,.6/+62 7,1$-<,-,-/07*65-, ,+<,<.66.66*+ 7,*15$.*/+27/4,#,-Y.6 4* 3,6,,+3= 7,0/ /4*+?6 . ,1,+ /07,0.86 /07,8.6,26$87 .6 7,=4,-, .00*-1,< /+/. 7 . . 8/-/+,-0 *+@$,6 Y.55,.-6 /7.#,3,,+ ,@$. =68.+<. /$6 .+< $+ -$, 3/$ 7.005.6 4,#,/08/8M2 7, $M,2.0 ,- 7.#*+?<*+,< . -,,+4*872 .+< .0 ,-4.-<6 . ,+<,< . 8/+8,- 0/- 7,3,+,0* /07, /=. '/8*, =/0&$6*8*.+62 -, $-+,< /7*6 .5.-1,+6 *+ ' A.1,606 . .8,2 /#,-G //M*+?(,#, .+< /4 3/$ /+,27,-, *-,< /-,6 *6 6 ,,5*+?0-//12 47*87 4.6 . .-?,/+,2 4.6 #,-=<*1 =*?7 ,< 3= . .152 47*87 6 //< 3,7*+< . 68-,,+ *+ 7,0*-,05 .8,*+0 .<*6 .+ 8/-+,- /07, .5.-1,+ 7, $M,06 3,< 6 //< *+ . -,8,662 3,7*+< 47*87 4.6 . 61. -//12 *+ 47*87 7,5.?,*+ . ,+<.+8,2 /+, ,. ,2 4.6 .88$6 /1,< /6 ,,5 +7,6/0. .=7, $M,06 1** .-= 6.3-,2 47*872 4*7 7*6 6.+8*/+2 . 0.#/$-* ,#. ,2 /+, ', *62 . *,<1/+ ,6,2 7.< -,8,+ =7.< -,5.*-,< .+< 67.-5,+,<

3/$ 7.005.6 4/ /08/8M *+ 7,1/-+*+?2 7, $M, 4.6 .-/$6,< 3= . 3/4 /+ 7,7,.<2 47*87 4.6 *11,G <*. , =0/ /4,< 3= . 6,8/+< 3/4 *6 0*-6 *15-,66*/+ 4.6 7. . 3. 7.< ?/ *+ /7*6 .5.-1,+ .+< 4.6 3,. *+? .3/$ 7*6 7,.< 7, *?7 /07, .152 7/4,#,-2? ,.1*+? /+ 7,6.3-,2 7, . /+8,5,-8,*#,< 7, ,N-,1,5,-* /07*6 6* $. */+2 .+< .88/-<*+?=2 0/ /4*+? 7, 0*-6 *15$ 6, /0 7, 1/1,+2 7,0, 0/- 7,3, 0-/5, 47*87 6. =7$+? /#,- *, 7,.< /07*6 3,<2 3$ 47*872 47, 7,- .88*<,+ . =

/-' <,6*?+,< =2 7.< 3,,+' <*65 .8,<' 7,' $M,2 47/' 7.< +/4' -,8,*#,<' .' 7*BG< 6-/M,2 65-.+?' 0-/1' 7*6' 3,<' .+< -$67,<' /4.-<6' 7,' </!-' /0' 7,' .5.- 1,+' /0' 7,' 5.?,' *+' . ,+<.+8,7*6' .66.* .+' .' 7,' 6.1,' *1,' 5-6*+?' 7*1' /-$+. , =' 7,' 6$88,,<,<' *+' /5,+*+?' 7,' </!-2 3$' +/' * ' 7,' 7.< -,8,*#,<' .' 4/$+<' *+' 7,' 7*?72 .+< / 7,-' *+B$-*,6' 7,' .66.66*+2 7.#*+?' 5-,#*/$6 =' <-/Bd5,<' 7,' 6.3-,2 +/4' 1.<,' ?!/<' 7*6' -, -,.' *+' 7,' <.-M+,66' ' <,+2 47*87' 4.6' 6$36,@$,+ =' <*68/#,-,<' *+' 7,' </!-2 .6 4,' .6' 7,' 8*-8$16 .+8,' /0' 7,' 5/*+' /0' 7,' 6.3-,' 3,*+?0' 3,+2 ,#*+8,<' 7/4' +.--/4' 7.< 3,,+' 7,' ,68.5,' /0' 7,' $M,' ' 5*8 $-,' +,.-' 7,' </!-' 4.6' 0/$+<' /' 3,' 67?7 =' 65 .67,<' 4* 7' 3 !/<

+' 7,' 1,.+' *1,2 7,' $M,2 4* 7' 7,' .66*6 .+8,' /0' 7,' 5.?,2 ,. ,2 7.< 6$88,,<,<' *+' . .-1*+?' 7*6' /=.' *?7G +,66G6 7/$6,7/ <2 .+<' *+' /3 .*+*+?' 7,' .66*6 .+8,' /0' 7,' 6,-?,.+' .+<' 6/ <*,-6' /+' ?$.-<' 7,' $M,' +/4' ,.-+,6 =' *+@$*-,<' 0/-' ', *62 3$' *+' #.*+' 7/6,' 47/' 4,-,' <*6G 5.87,<' /' 6$11/+' 7*12 +/' /+ =' 0/$+<' 7,' </!-' /0' 7*6' .5.- 1,+' 0.6,+,<' *+6*<,2 3$' /' 7,*-' -,5,.,<' ,N8.1.G */+6' 7.' 7,' $M,' 7.< 3,,+' .66.66*+. ,<2 +/' .+64,-' 4.6' -, $-+,<' ' 4.6' 7,+' -,1,13,-,<' 7.' 7,-,' 4.6' .+/7,-' ,+ -.+8,' .55-/.87.3 ,'' 3=' 7,' 5-*+8*5.' 6.*-8.6,2 47*87' 7,=' 7.< +/' 6//+,-' .68,+<,<2 .+</5,+,<' 7,' </!-' /0' ', *6G6 .5.- 1,+2 7.+' 7,=' 4,-,' .55. ,<' 3=' .' 1/6' 7/--*0=*+?' 65,8.8,' ', *6' 4.6' <*68/#,-,<' 6* *+?' 7.0' $+<-,66,<2 *+' .' -,8 *+*+?' 5/6 $-,2 /+' 7*6' 3,<2 4* 7' 7*6' 7-/.' 8$' 0-/1' ,.-' /' ,.-2 .+<' =< 7' *0, ,N *+8' *6' 8/$+ ,+.+8,' 4.6' +/' /+ =' 8/15/6,<2 3$' *6' 6.*<' /' 7.#,' 4/-+' -. 7,-' .' 61* *+?' ,N5-,66*/+' +' .' 87,6' /0' <-.4,-62 +,.-' 7,' 3,<6*<,2 .=' .' -.>/-2 .+<' .' 3.6*+' 8/+ .*+*+?' 4. ,-' *+?,<' 4* 7' 3 !/<' 7,' *+0,-,+8,' 4/$<' 6,,1' /' 3,2 7.2 .0,-' 7.#*+?' . .8M,<' 7*6' 1.6,-2 7,' 7.< -$67,<' 3.8M' /' 7*6' /4+' .5.*0 0' *+,+' 4* 7' 7,' *+ ,+ */+' /0' 4.67*+?' 7,' $M,G' 3 !/<

0-/ 1' 7*6 7.+<62 .+< /0?, *+?' *+ /' 3,< .6 6//+' .6 5/66*3 ,I' 3$' 7.' 7,' .55-/.87' /0 7,' 5,-6/+6 6,+' *+' 6,.-87' /0 7*12 / < 7*1' 7.'e<, ,8*/+' 4.6 *+,#* .3 ,2 .+< *+<$8,<' 7*1' /' 8/11*' 6$*8*<,' *+' /-<,-' /' .#/*< 7,' 8/+6,@$,+8,6 /0 7*6 8-*1,' 7,' 0.8' *6 4/- 7=' /0 1,+ */+2 7.' ', *6 D4.6 .' ,0 07.+<,< 5,-6/+2 47,-,.6 *' 4.6 7,' 8/+#*8 */+' /0 /+,' /0 7,' 57=6*8*.+6 47/' ,N.1*+,< 7*6 3/<=' .0 ,-' <,. 72 7.' 7,' 4/$+<2 *+' 7*6 7-/.' 1$6' 7.#,' 3,,+' *+0 *8 ,< 4* 7 7,' -*?7' 7.+<' 55/6,<2 7/4,#,-2 /' 7*6 6/1,47.' 6$65*8*/$6 8*-8$16 .+8,2 4,-,' 7,' 0$- 7,-' 0.8 62 7.' 7,' 4' 6 ,,#,' /0 7*6 8/.' 4.6 0/$+< 6/.M,< 4* 7 3//<2 .+< 7.' 6/1,' 3//<2 47*87 4.6 <*68/#,-,< /+' /+,' /0 7,' </-62 4.6 .6/ /+' 7,' 4' 6*<,

7,' A$-=2 47*87 6.' *+' *+@$,6' /#,-' ', *60 3/<=2 4.6 8/15/6,< /0 7,' 5**+8*5.' -.<,61,+' .3/$' F7* ,7.' .+< (7.-*+?' (-/662 .+< .6 7,*-' 5/ * *8.' /5*+*/+6 4,-,2 ?,+,G -.' =' 65,.M*+?2 <*.1, -*8.' =' /55/6,< /' 7/6,' /0 7,' *?7 /-=' .+< *?7 (7$-87 .-=2 /0 47*87 7,' $M,' /0 ($13,-.+< 4.6 /+,' /0 7,' 1.*+' 5* .-62 * ' 1.=' 3,' 5-,G 6$1,< 7.' 7,=' ,+ ,-,< $5/+' 7,*-' *+#,6 *?. */+' 4* 7/$' 3,*+?' 1$87 5-,B$<*8,< *+' 7*6 0.#/$-' 7,' *+@$*-=2 7/4,#,-2 6,,16 /' 7.#,' 3,,+' 8.--*,< /+' 4* 7 7,' ?-,. ,26' *15.-*. * =2 .+< /' 7.#,' 8/15, ,=' 6. *60*,< 7,' A$-=' /0 7,' 5,-0,8' *++/8,+8,' /0 7,' 0 $M,' 0 ,-' 7.#*+?' 6.' 7,.-*+?' ,#*<,+8,' 0/-' 0/$-' 7/$-62 .+<0 <, *3,-.*+?' $5/+' *' 0/-' .+/ 7,-' 7/$-2 7,=' .?-,,< $5/+' -, $-+*+?' .' #,-<*8 2 /0 4 8 8' .?.*+6' ', *6' 7,' 3/<=' /0 7,' 6$*8*<,' 4.6 *+ ,--,< *+' 7,' 7*?7 -/.<L *+' '8/ .+<).-<' ' 2

7*6' -.?*8.' .00.*-2 .6 1.=' -,.<* =' 3,' 6$55/6,<2 8-,.,< .+' ,N-./-<*+.-=' 6,+6.*/+' .' 7,' *1,' ' 4.6

K' 118*% ,2"#-,.'0(.' '++' 9' (#,3# "*.",#' E '""' ++' U! 9UU ' "## 1"2%"-3# 8-(6"(2.*+)7'<(%'"'++' 9!' !./',/"-"(1' 1' (#,3# "*.",#'<(%'""'+'U! ' ="%% 6(' 0(81/' *' +%*1' (0' -),' *+*.-;,1-# =)":)' =,.,' -),' #:,1,' (0' -),#,' -.*2":' "1:"/,1-#

0.6 **/+2L 4-* ,6 &*66 +*?7 2 ' /' ?/' .+< 6,,' 7,' $M,06 .5.- 1 ,+ 62 47*87 0/-' 6,#,-. ' <.=6 4 ,-,' ,0 '*+' 7,' 6.1,' 6 . ,' .6 47,+' 7,' 4.6 -,1/#,<' 7,' #*6* /-6 <*6G 8/#,-,< -.8,6 /0 3 //< $5/+' 7,' 4. 62 U8' I 7$ 2 0/- 1=' 5.- 2 ' <*< +/ ' B/*+' 7,' 8-/4< 47/6,' 8$-*/6* =' ,< 7,1' /' 7*6 7/--*< 68,+, L'

68.-<+?' .6 #,-=' *15-/7.7 ,2 *0' +/ ' $,- =' 4/- 7 ,662 7,' 68.+<. /$6 -$1/ $-6 47*87 4,-,' 8$--,+' . ' 7a *1,2 4,' .-,' *+8 *+,< /' .</5 2 .6 6, *+?' 0/- 7 7,' -$,' 8.$6,6 /0 ', *606 1$-<,-/$6 . .8M /+' 7,' $M,' /0 ($13,- .+<2 7,' 0/ /4*+?' & ' '#,-6*/+' /0 .' 4, 0*+0/-1*,<8/+ ,15/-.=' ' ' 6 -/+? =' 6$65,8 2L 4-* ,6 (/ /+,' F* *62 ' 7. ' 7,' 1/ *#,6 47*87 .8 $. ,< ', *6 *+' 7*6 . ,15' /' .66.66*+. ,' 7,' $M,' /0 ($13,- .+< 4,-,' 7,' .$+ 6 .+< 6.-8.616 7. ' 7,' $M,' 4.6 8/+6 .+ =2 *+' 7*6 #*/ ,+ 2 8/.-6,' 1 .++,-2 .#*67*+?' /+' ', *606 -, *?*/+2 47/' 4.6 .' (. 7/ *8' 7*6 8/+<$8 2 *+' .<< */+' /' 7,' 5.-' 7,' $M,' 7.< +/ /-*/$6 =' .M,+' /' 5-,#,+' 7,' ,N ,+6*/+' /0 ,+ *-,' / ,-. */+' /' 7. ' -, *?*/+2 .55,.-' /' 7,' #,-=' 6$00*8*,+' 1/ *#,6 /' *+<$8,' .' 3*?/' /' 8/1 1*' 7,' 1/6' <,65,-. ,' .8 */+ L' ?.*+2 *+' 7,' 1/+ 7' /0 A$ =2 (/ /+,' F* *6 *+6,-6 *+' 7*6 *.-=' Y ' (. ,< .' (.- /+' /$6,' +' ?/*+?' /$' 6.4' (/ /+,' &8&.7/+20' 47/' / < 1,' 7. ' 7,' $M,' /0 ($13,- .+< 7.< <*61*66,< (.5 .*+' ' ,57,+6/+' *+' .' #,-=' 7p-672 6,#,-,' 1.++,-' I 7,'' 8.$6,' .6 0/ /46' ' ,57,+6/+' <*+,< . ' 7,' -*+8,06 .3 ,' *+' 8/15.+=2 .1/+?' / 7,-62 4* 7' &-' /17,-? A' ' ,57,+6/+' 4.6 .6M,< *0' 7,' $M,' 7.< /+' .+=' /88.6*/+62 -,. ,< 7*6 6,-#.+ 6 8-$, =' /-' 7.-67 =' ,' -,5 *,<2 Y P /' I 7*6 8/+<$8' 4.6 1$87 7,' 8/+ -.-=' ,' -,0 -@,17,-,<2 *+<,,<2 6/1,' =,.-6 .?/2 ', *6 7,' 766.66*+2 3,*+?' *+' 7,' .8' /0 5$ *+?' /00 7,' $M,06 3// 62 7,' . ,-' ?.#,' 7*1' .' M*8M 47*87 7-,4' 7*1 I 7. ' 7*6 .8 2 . ' 7,

I 8-(6"(2.*+)7'<("'"'+' !

-' (%(1,% ()1' : *)(1' ,,+,.'(0 -),' ."<7 8.#,'*1/' ,:.,-*.7 <-;(./"1*.7 -('-),' ."1:,'(0 E*%,#

'),' ,<,.,1/' .' %(;6,.2' ."<*-,' ,:.,-*.7 -('-),' ."1:,'(0 E*%,#

$

*1,2 6,,1,< /5-/<$8,7/-,6,+ 1,+/+ 7,5.-/0
',*62 47/4*7 7,$8,.+<',57,+6/+.B/*+,<*+
7,.$?7/13,-?7,+,N<.=4,+/F*+<6/-.+<
-,.,<**66 /-=/7,*+?25-/3.3=4*7 6/1,.<<*G
*/+6*66 &.B,6=2/+7,.-*+?**2,N5-,66,<6-/+?<*6G
.55-/3.*/+.'57,+6/+08 8/+<$82.+<6.*<7,4.6.
#,-=*15-/5,-5,-6/+/-,1.*+*+7,$M,06 6,-#*8,2.6
7,8/$</+/3$6$55/6,',*6 4/$<4.*.+/55/-$+*=
/0-,#,+?*+?*7*16,0CL

7,<*6-,66 47*87 7*6 5.*+0$*+8*<,+ Y 8/13*+,<
4*7 7,,N5/6$-,/0 7,$M,/0)/-M06*--,?$.-**,6Y
,+.*,<$5/+7,*+?B 4.6 7.55*=*+6/1,<,?-,,
8/$+,-3..+8,<3=7*6 3,8/1*+?-,8/+8*,</7*6 7,*-
7,-*+8,2**6,,162 7.<.',+?7,.-+,<2/.55-,8*.,
7,6,-*+?@$.**,6/07*6#,+,-.3,0.7,-7,-*+8,06
3,7.#*/$-2.7,*1,47,+7a**+,66/07,$M,/0
/-.+<7-,.,+,<3-*+?3.8M7,<-,.<,< -,+#*,6
/5/4,-26,,16/7.#,3,+,65,8*.=?-.*0=*+?/7,
*+?'F7.*6 1/6$+,N5,8,<2L4-*,6 /-< </+2
7,-*+8,7.6-,.=8/+<$8,<7*16,0/4.-<67*60.7,-
$5/+7*6 /88.6*/+4*7,N,15.-=25-/5-*,='7,*+?
67/4,<1,7,-*+8,06,,-/7*1.+<7*6.+64,-L0
7,0//4*+?5,.6*+?,,-0-/1 7,-*+8,.00/-<6
.<<**/+.,#*<,+8,/07,8-,<*.3,87.+?,47*87 7.<
.M,+5.8,*+7*60,,*+?6.+</5*+*/+6Y

') 4 K &

$'$.'. ! #BE!H 0'& ; 9

C "# *5,#-7)*<"12 6,,1 2.*:"(8#%7 +%,*#,/-(2"<,)"#
:(;;*1/#-(7(8.(./#)"+-(;*@,:(;;81":*-"(1-(;,.,G
#+,:-"12-),0"%%"12 8+-),#"-8*-"(1(0 869.,:,+-(.-(;7

K ' "*.",#(0 (%(1,% ,1.7 (.-(1'E"%%"#
-3 ="##3# "0,'(0 %/(1'<("'""'+' !' -'=(8%/'#,,;'-)*-'(#0*.' *:@*# '
-),' .")*/':)*12,/')"#0(.;,.'%"6,.*%<",=# "1'.,2*./'-(' *-)(%":' ;*1:"+*-"(1'
,,' (./' (%%*1/3#*::(81-'(0-=('<,.7'.,;*.@*6%,'"1-,.<",=#=)":')',')*/'="-)')";'
"1'-)*-'7,*.'"1')"#; / '1' 9'<("'""'+' U 9 L ' %#('* '; / D
(3 9M'0 '<("'"<'+'! '*1/'-),'23 '4 & 'S S'"<'+'! L

F ' X ' ' ' ' LU

F/*82)-,.' *1/')*<"12' 6,,1' 08.-%",.' +%,*#,/' -(' "1-" ;*-,' -(' ; ,' -).(82)' 7(8.' (./#)"+' -)*-' ' #)(8%/' ,1A8".,"1-(' *1/' :(1#"/,.' -%",' A8*%"0":*-"(1# (0' -%",' ,<,.,1/' 9')(.-' .:)/,*:(1' (0' (.1=*%%' *# * +.(+,.' +,.#(1' -(' /"#:)*.2,' -),' /8-",# (0' -)*-' ;(#-' ";+(.-*1-' -.8#-' ')*<,' *::(./"12%7' -*@,1' -), 6,#-' ;,*1# ="-)"1' ;7' +(=,.' -(' *#:,.-*"1')"# 0"-1,##' *1/' ')*<,' -),' #*-"#0*:-"(1' -(' *11(81:,' -(' 7(8.' (./#)"+' -)*-' -),' .,#8%-#' (0' ;7' ,1A8""9",#)*<,' 6,,1' "1' *%%' .,#+,:-#' ;(#-' #*-"#0*:-(.7' *1/' -)*-' ="-)' 6"#' *5,#-73# *++.(6*-"(1' "-' *++,*.# -(' ;,' -)*-' "-' =(8%/' 6,' #8"-*6%,' -)*-' .')(.-#)(8%/' 0(.-)="-)',1-,.' 8+(1' -),' /8-",# (0' -),' #-*-"(1

<' ' :*11(-' :(1:%8/,' -)"# %,--,.' ="-)(8-' ,>+.,##"12' -(' 7(8.' (./9 #)"+' -),' #"1:,.,' 2"9*-"0":*-"(1' ="-)' =)":)' ')*<,' .,:,"<,/' -).(82)' 7(8.' (./#)"+')"#' *5,#-73# #,1-" ;,1-# .,#+,:-"12' -)"# ;(#-"1-,.9 B ,#-"12' #865,:-' *1/' ' -.8#-' -(' -),' <,.7' +*.-":8%*.' *--,1-"(1' =)":)')*# ;*.@,/' 7(8.' (./#)"+3# +.(:,,/"12# -).(82)' -),' =)(%,' (0' -)"# 68#"1,##' -(' -*@,' -),' ;(#-' #8"-*6%,' :(8.#,' (0' :(1<,7"12' -(' -),' "12' ="-)' -),' ;(#-' +.(0(81/' .,#+,:-' *1/' /8-7' (1' ;7' +*.-' -),' 0,,%"12# ="-)' =)":)' ' * ;' " ;+.,##,/' (1' -)"# (::*#"(1' 67')"# *5,#-73# ;(#-' 2.*:"(8# *1/' :(1/,#:,1/"12' *--,1-"(1' -(' ;,

<' ' * ;' ;7' (./

C $,.7' #"1:,.,%7' 7(8.#

"" B',' ' ' ('' 1%&K 22 /Q #' !) ' % -

H+.#/*<.3 =' $+*0/-1' .+<' 1/+/ /+/$6' .6' 4,-,' 7,' 7.3* 6' .+<P5-6* 6' /0' ,/-?,' 3,' 7*-<' .' 7*6' *1,2' 7,' 6 /-=' /0' 7*6' *0,' /0' 8/15.-.*#,' 6,8 $6*/+' *6' +,#,-7, ,66' +/' <,#/*<' /0' *+ ,-,6' ,' 6 * ' 8/+ *+$,<' 8/+6 .+' *+' 7*6' 1/-+*+?' . ,+<.+8,6' .' 87.5,2' 47* 7,-2' *+' 8/+6,@$,+8,' /0' 7*6' 3 *+<+,662' 7,' 4.6' 8/+<$8 ,<' 3=' 4/' . ,+<.+6' +' 7,6,' /88.6*/+62' +/' /+ =' 4,-,' 7,' -,65/+6,6' /' 7,' 5-.=,-6' <,*#,-,<' 3=' 7*1' 4* 7' 7,' ,.-+,6' .+<' .$<*3 ,' ' #/*8,' /0' 0/-1,-' <.=62' 3$' * ' 4.6' /36,-#,<' 7.2' <$-*+?' 7,' -,.<*+?' /0' 7,' 6.162' 7,' -,5,. ,<' 7,' . ,-+. ,' #,-6,6' .0 ,-' 7,' 8 ,-?=1.+2' . 1/6' .6' 8/--,8 =' .6' *0' 7,' 7.<' 3,,+' *+' 7,' ,+B/=1,+' /0' 7*6' ,=,6*?72' 4* 7' 7*6' -.=,-' //M' =*+? /5,+' 3,0/-,' 7*1' 0 ,-C3-,.M0.62' *0' 7,' 4,. 7,-' 4.6' 0*+,2' 7,' *+?' -/<,' /$' /+' 7/-6,3.8M

[' %/(1' ' 1',>-.*:-' (1%7' 0.(;' -%""# %,--,.' "# 2"<,1' "1' ="##B#' "0,' (0' %/(1 <("' "" ' +' '

.88/15.+*,< 6. =3= 4/ /0 7, -*+8,66,6 f "8.--*.?,2 8/+ .*+*+?7, (/$- .<*,6 *+ . ,+<.+8,2 *11,<*. , = 0/ /4*+? +7,6, /88.6*/+62 .67, 4.6 $+.3 , /?$*<, 7*6 7/-6,2 4/ /0 7, -/=. ?-//16 -/<, 8/+6 .+ =/+, /+ ,.87 6*<, /07*1

$-*+?7, 6$11,- ,#,+*+?6 7, *+?7 6 * 8/+ *+$,< / ,+B/=7*6 0.#/$-* ,5-/1,+.<,6 /+ 7, ,--.8, . F*+<6/-E 47,-, 4/3.+<6 /01$6*85 .=,< . ,-+. , = ,$6$. = 1.<,7*6 .55, .-.+8, . 6,#,+ /08 /8M2 . 47*87 7/$-. .</!-*+ /+, /0 7, /4,-6 /0 7, (.6 , 4.6 7-/4+ /5,+2 .+< 7,+ 4.6 4* +,66,< 7, .*0, , *+?7 6*?7 /0 7, #,+,-.3 , 1/+.-872 .66*6 ,< 3=7*6 4/ . ,+<.+62 0, , *+?7 7*6 4.= 4* 7 . 6 *8M </4+ 7, 6 ,56 47*87 ,< / 7, ,--.8, *6 <-,66 /+ 7,6, /88.6*/+6 4.6 6. = . 3 $, 8/.2 / 7, 3-, .6 /0 47*87 4.6 .00*N,< 7, ' .-/07, -<,-/07, .- ,-f 7, -,6 /07*6 .55.-, 3,*+?7 47* , +7*6 7.2 47*87 4.6 67.5,< 6/ .6 / 67.<, 7*6 ,=,62 7, 4/-, . 8/8M.<, .+< .?/ <3$ /+ .+< //5

+-, .87*+?7, ,--.8,2 7, *+?7 ?,+,-. =5 .8,<7*6 .-16 *+ 7/6, /0 4/ /0 7, -*+8,66,62 47/4. M,< 4* 72 .+< ?$*<,<7*12 * 7*6 -, $-+ /7*6 .5.-5* ,+6 6 7, -/=. 5.- =5.66,< . /+?2 7, 8/15.+=1.<, 4.=0/- 7,12 3=4* 7<-.4*+?7 /+ ,* 7,-6*<, 4.6 ?,+,-. =$+<,-G 6 //< / 3, 7, 4*67 /0 7, *+?2 7. +/ / 7,- +/ *8, 67/$ <3, .M,+ /07*1 7.+ 7, ?,+ ,1,+ -,1/#*+?7, *-7. 6 .6 7, 5.66,< F7,+ 7, .55-/.87,< .+= /+, 47/1 7, -*+8,66,6 8/+6*<,-,< 7, 1*?7 4*67 / -,8/?+*6, /0 8/+#,-6, 4* 72 7,= 47*65,-,< 7, +.1, /0 7, 5,-6/+ / 7*12 47,+ 7, 6. =6 /55,< .+< ,+ ,-,<*+ / .0.1**.- 8/+#,-6. */+2 /0 /+?,- /- 67/- ,-<$-. */+ +7,6, /88.G 6*/+62 * . , .6, .6 4.6 7*6 7, .- /+ .88/$+ /0 7, 0.* *+?7, . 7 /0 7*6 0.# $-* , <.$?7 ,-2 7, -*+8,66 1, *.2 7*6 87, ,-0$ 1.++,- .+< 5,-0,8 ?//<07$1/$- 4,-, 7, 6$3B,8 6 /0 ?,+,-. /36,-#. */+ 3 5.66*+?7, 3.+<2 3,0/-, .68,+<*+?7, 6 ,56 /+7*6 -, $-+ /7*6 .5.- 1,+6

7*6' *+#.-*.3 ,'8$6 /1'4.6' /'-.*6,'7*6'7.'6.=*+?'.$<*3=Y'
' //<'+*?7 T ?,+ ,1,+'I ' 7.+M'=/$L
'*-' ,-3,-' .= /-' 7,' *+?0' 8/+0*<,+*.' .+<'7*?70'
1*+<,<'5-*#. ,'6,8-, .*='7.<'+/4'3,,+' . .87,<' /'7*6'
5,-6/+'0/-'0*#,'=,.-6' 6'7*6'8/+6 .+'8/15.+*/+'7,'7.<'
4.87,<'7,'?-.<$.' ,+8-/.871,+6'/0'7*6' ,--*3 ,'*+0*8G
/+'3+<+,66I7,'7.<'3,,+' 7,'8/+0*<.+' /0'7*6' .0'*8,<'
1.6,-'*+'1.+='.'6.<'.+<'-=*+?'<*00*8$ ='' ,4'1,+'
7,-,0/-,'7.<'3,,+'.00/-<,<'1/-,'0-,@$,+'/-'1/-,'0.#/$-G
.3,'/0X5/-$+**,6'/0'/36,-#*+?' 7,'87.-.8,-'/0' ,/-?,'
7,' 7*-<'.+<'.6'0,4'1,+'.6/'4,-,'3, ,-'B$<?,6'/0'
7$1.+'+.$-,'4,'.-,'+.$-. ='.+N*/$6' /'.68,-.*+' 7,'
/5*+*/+'47*87'6/'8/15, ,+'.+<'.'7,'6.1,'*1,'6/'
8/+68*,+*/$6'.+'.$7/-*='7.<0/-1,<'/0'7,'87.-.8,-'/0'
7*6' '/#,-,*?+' .55*='6/1,'=,.-6.0,-'7,'<,.7'/0'7*6'
-/=.'1.6,-'8*-8$16.+8,6'*+<$8,<''*-' ,-3,-'/'8/11*'
7*6'8/+#*8*/+6'/'5.5,-' 7,' /66'/0'6*?72L'7,'-,5*,6'/'
/-<' -/$?7.1' 4.6'3/-+,'4*7',N,15.-='5.*,+8,'
.+<'-,6*?+.*/+I.+<'+,*7,-'7*6'+/-'/7,-'-*.6'5-/<$8,<'
47*,'7*6'&.B,6='8/+*+$,<'*+'.'6/$+<'6.,'/0'1*+<'.+='
,3$**/+'/0',15,-'/-'7.-67+,66'/0'1.++,-'/-',N5-,66*/+'
47*87'8/$</88.6*/+'5.*+'/-'$+,.6*+,66'/'7*60.1*='.+<'
.,+<.+6''<,8.-,'7.'<$-*+?'7,'47/,'5,-*/</0'1='.G
,+<.+8,'$5/+'*+?',/-?,'7,'7*-<'+/'/+,'67.-'54/-<'
+/'/+,',N5-,66*/+'/0'$+M*+<+,66'/-'*15.*,+8,',68.5,<7*6'
&.B,6=I.+<'7,'87.+?,'/0'<,5/-1,+'*+'7*6'-,65,8'8/+G
#,=,<'/'1,'.'',.6'7,'0*-6'*+*1.*/+'/0'7,'.55-/.87'/0'
7.'8..1*='/0'47*87'7.<'7,'1*60/-$+,'/'4*+,66'7,'
<*6-,66*+?'5-/?-,66'.+<'7,'1,.+87/='00,86L''*6.G
,+*/+'/'7*6'-,*?*/$6'<$*,62L'8/+*+$,6''*-' ,-3,-'2''4.6'
,N,15.-=I.+<'7,'$+.00,8,<'.+<'$+/6,+.*/$687.-.8,-'
'' /00,-,<'.15,'5-//0'/0'7,'6+8,-*='/0'7*6'<,#/*/+L'

I'M ,;*.@#(1'*1'*.-":%,'"1'-),' /"168.2)' ,<",=' ('(>>>< 3+' '67' ",8-,1*1-9
,1,.*% "FB ,.6,.-' *7%(.' 9 ' 5 (1/("'' !

(%"

%%1,## (0 -), ."1:,## ; ,%"* *1/ /"#-.,## (0 -), "12 4 ,-8.1 (0)"# ; ,1-*%
/"#(./,. 4 "# %*#- *++,*.*1:, "1 (:",-7 4 "(."1:, (0 E *%,# *- E"1/#(. 4
,*-) (0 -), ."1:,## ; ,%"* 4 -# ,00,:- 8+(1 -), "12 4 ,#-.":-,/ ,2,1:7 (0
-), ."1:, (0 E *%,# 4 , .,-*"1#)"# 0*-),.3# "1"#-,.# "1 +(=,. 4), "123#
*00,:-"12 -."68-, -(-), ."1:,## ; ,%"*3# ; , ; (.7

1 6 /-= /0 ,/-?, 7, 7*-<2 <$-*+? 7, -,1.*+*+?
5,-*/< 7. 7, 8/+ *+$,<2 / 7, 1.6 ,- /0 7*6 .8 */+6 .+<
7/$?7 62 *6 <-.4*+? /4.-<6 * 6 1, .+87/ = 8 /6, + 7,
.$ $1+ /0 9;9 2 7, 5.*+0$.+< *+?,-*+? * +,66 /0 7*6
3, /#,<<.$?07 ,-2 7, -*+8,66 1, *.2 .+< 7, .?/+= 4* 7
47*87 7, 8/+ ,15 . ,< 7,- .55-/.87*+? <*66/ $ */+2 8/1G
5 , , = 3/4,< 7*1 / 7, ,.- 7 7, *+? 7*16, 0 / <
7,-2 +/ /+? 3,0/-, 7,- <, .72 7. 7, 0, .6 *0 7*6 -,.6/+
4/$ < 6*+M 3,+,. 7 7, 4,*?7 /0 7*6 6/--/4 , -$6 ,<2
7, 6.*<2 7. /< 4/$ < ?*#, 7*1 6 -,+? 7 / ?/ 7-/$?7
7, -*.

7, -*+8,66 ,+<$-,< 7,- 6$00,-*+?6 4* 7 /$87*+?
64,, +,66 .+< -,6*?+. */+ .= 3= <.=2L 4-* ,6 /+,
47/ ,+<,< 7,- *+ 7,- 6*8M 87.13,-2 67, 6.+M 1/-, .+<
1/-, $+<,- 7,- ?-,. 6$00,-*+?6 7/$?7 5. , .+<,1.G
8*. ,<2 67, 6 * -, .*+,< 7,- 3,.$ = '7, 4*67,< / *#,2
3$ 4.6 7/-/$?7 = -,6*?+,< 47,+ 67, 0/$+< 7,-, 4.6
+/ 7/5, /0 7,- -,1.*+*+? /+? $5/+ ,.- 7 ,- 6,+ *G
1,+ 6 /0 5*, = 4,-, 5$-,2 ,+ *?7 ,+,<2 .+< 0,-#,+
6.4 7,- . 0,4 <.=6 3,0/-, 7,- <, .72 47,+2 .M*+? /00 7,-

I (#,3# "*"B",# <(N " + UL

? /#,2 63,' 6*/4,< 1,' *,-' 7.+<' ' 4.6' 5,-0,8 =' -.+6G
5.-,+ ' '7,' 4.6' 5.- *8$.- =' 0/+<' /0' 1$6*82 3$' . ,- ='
8/$ <' +/' 7,.-' 7,' 6/$+<' /0' .' 5*.+/0/- ,2 ,#,+' *+' .+/ 7,-'
-//1' 7,' -*+8,66' $?$6 .' 7,-,$5/+' ?.#,' 7,-' .' 3*-<'
47*87' 6.+?' #,-=' 64,, =2 .+<' 4* 7' .' #,-=' 6/0' +/ ,2 .+<'
67,' //M5 ,.6$-,' *+' *6 ,+*+?' /' * L' ' +' 7,' .6' /88.6*/+'
/+' 47*87' 7,' *+?' 4.6' ,<' /' 7,-' 6*8M' 87.13,-2 67,'
.00,8 ,<' 7*1' <,,5 =' 3=' 5 .8*+?' /+' /+,' /0' 7*6' 0*+?,-6' .'
-*+?' 8/+ .*+*+?' .' 61. ' /8M' /0' 7,-' 7.*-2 4* 7' 7,' 4/-<6'
,+?-.#,<' $5/+' * 2Y ' ,1,13,-' 1,L' F7,+' 7,' 3 *+<' '
1/+.-87' 3,+ 2 0/-' 7,' .6' *1,2 /#,-' 7*6' <=*+?' 87* <2 7,-'
5.- *+?' 4/-<6' /' 7*1' 4,-, Y ' ,1,13,-' 1,2 3$' </' +/'
?-*,#,' 0/-' 1, L0

+' F,<+,6<.=2 7,' _7' /0' 8 /3,-2 7,' *+?06' ,N8* ,<'
1.++,-2 .+<' /5<' .+<' -.5*<' $,-.+8,2 6,,1' /' 7.#,' ?*=,+'
7,' 0*-6' 4 .-+*+?' /0' .' -, $-+' /0' 7,' 6.1,' <-,.<0$' 1,+ .'
1. .<=' 47*87' 7.<' .00 *8 ,<' 7*1' /+' 0/-1,-' <,5 /-.3 ,' /88.G
6*/+6 T' 4/' <.=6' .0 ,-4.-<62' 4,' 0*+<' /-<' -,+#* ,'
4-* *+?' /' 7*6' 3-/ 7,-2 7,' &.-@$*6' /0' $8M*+?7.1 Y ' ' :-' '
7.#,' 7*6' <.=' -,8,*#,<2 .6' .' 1.-M' /0' 0-*,+<67*52 .+<' 4* 7'
*3,- =' /'8/1 1$+*8. ,' /' =/$' . /+,2 7,' *+0/-1. */+' 7. '
7,' *+?06' 0/-1,-' *+<*65/6* */+' *6' -, $-+*+?' $5/+' 7*1
(8' ;*7' 28,##' 0.(,' =)(,' '),*./"-'),' +,.#(1' =)(
;,1-"(1,/" "-' -(' ;,' 67' /,#',' (0' -),' A-),.' -,%%#' ;,' -)*-'
),B)";#,%0' ;,-' -),' "12' "1')"#' ./',' 7,#-,./*7' -*%@"12'
#(' %(8/' *1/' 0*#-' *# -(' 6,' .,;*.@,/' *-' * :(1#'/,.*6%,'
/"#-*1:,D2' ,<,.-),%,##'"1'-),',<,1"12'-),' "12' =*# *6%,'
-(' 5("1' * +*.-7 =)":)' -),' H8,,1')*/' *##,;6%,/' *-' -),'
*#-%,?' *%%')"#' :)"%/.,1' ="-)'-),',>:,+-"(1' (0'-),' H8,,1' (0

I' "##' 1"2)-3#' 8-(6"(2.*+)7'<(%'"'++' !U'
-' 6"/' '<(%'"'+' U' 118*%' ,2"#-,.'<(%' >""'++' '
"' (#,3#' "*."',#'<(%'""'+'UU
2' 8:%/12)*;' *+,.#'<(%'"<'+'UL '),'C+,.#(1'D*%%8/,/' -(' =1# 1(' /(86-' %.'
E' ' .,;*1-%,'=)(',#"/,/'*-' 12%,0",%/' .,,1'"1'-),'";,/"*-,'1,"2)6(8.)((/'(0'
E"1/#(.' *#-%,' "#%,--,.#-('-),' (8#,'(0' .,1<"%%,':(1-*"1'0(.'#(;,'-";,'*0-,.'-)"#/*-,'
<,.7'+*"108%' /,-*"%#' .,#+,:-"12'-),'+.(2.,##'(0'-),' "123#'/"#(./,.'=)":)'),'#,,;#-('
)*<,'6,,1'#"128%*.%7' "1/8#-."(8#' "1' :(%%,:-"12'0.(;' /*7'-(' /*7' C' :*11(-' %,*<,'-)"#

F $- ,13,-? .+< 7, -*+8,66 1, *.2 3,*+? 5-,6,+ 4.6 7, .++*#,-6.-= /0 3*6 .88,66*/+2 .6 4, .6 7, .6 /88.6*/+ /+ 47*87 7, ,#,- 1.<, 7*6 .55,.-.+8, *+ 6/8*, = F 7,+ 7, ,+ ,-,< 7, <-.4*+?0-//12 * 4.6 4*7 7, Q$,,+ 7/ <*+? 7*6 .-1 6 7, 4,+ -/$+< 7, 8*-8 , .6 6. 2L 4-* ,6 &*66 +*?7 2 47/04.6 /+, /0 7, ?$,6 62 * 4.6 ,.6= /5,-8,*#, 7, <-,.<0$,N8* ,1,+ *+ 7*6 8/$+ ,+.+8, 6 7, 8/$ < +/ <*6 *+?$*67 5,-6/+62 * 4.6 7, 8$6 /1 /65,.M /7*1 .6 7, .55-/.87,<2 7. 7, 1*?7 -,8/?+*6,2 3= 7, #/*8, 47/1 7, 4.6 .3/$ / .<<-,66 0/-?, 47. * 4.6 6.*< /1, P) /$.-, +/ $+,.6=2 .1 6$-,2 .3/$ 1, *.) /$.-, +/ /3, <,8,*#,<2 3$ =/$ M+/4 7. 67, *6 *+ +/ <.+?,-C 7, 6.1, *1,2 7, 6@$,,>,< 1= 7.+< 4*7 6$87 0/=8, 7. 8/$ < 68.-8, = 7, 5 8-=*+? /$ 7, Q$,,+2 7/4,#,-2 <-.??,<0 7*1 .E.= F 7,+ ,. 4.6 6,-#,<2 5,-8,*#,< 7/4 1$87 . .-1,< 7.< 3,,+2 0/- 1= 7.+< 67//M 6/ 7. 8/$ < 7.-< = 7/ < 7, 8$5 F 7,+ 7, *+? 4.6 6,. ,<2 7, 8. ,< /7*1 ,.87 /0 7*6 6/+6 6,5.-. , =2 .+< 6.*< 7*+?6 /7,1 ,@$. = 6$3 *1, .+<*+6 -$8 *#,2 3$ 2 #,-= $+ *M, 47. 7, 4/$ < 7.#, 6.*< 3,0/-, 6/ 1.+= 5,/5 , 7.< 7, 3,,+ 8/+68*/$6 /0 7, 8*-8$16 .+8, +,#,- <*< .+< +,#,- 4* -,5,. 47. 7,+7,.-<2 .+< 6*+8,-, = 3, *,#, 7. . 5-,6,+ 0, .6 <*< /+ 7. /88.6*/+ *6 &.B,6 = 7.< . /+? 8/+#,-6. */+ 4*7 (/$+ &$+6 ,- /+ 7, .00.*-6 /0 .+/#,-2 6/ 7. * 8/$ < /+ = 3, $+<,-6 //< 3= 7/6, 47/ 4,-, .8@$.*+ ,< 4*7 7, ,-1.+ .+?$.?, L $-*+? 7, 7-, , 0/ /4*+? <.=62 7, 4/-6 0,.-6 47*87 8/$ < 3, ,+ ,- .*+,< 3= 7, /=. .1* = 3,8.1, -, .*6,< + &/+<.=2 7, 72 7, /-< (7.+8, /-.+< 7, -*1,

1,"2%"6(8.)((:%P),'=."-,#-((./ 8:@"12)*;'(1'-), -)'(0 (<,;6,.'C*# '*;'/*"%7 "1'-),')*6"-'(0'2("12'(<,.'-(E"1/#(.'*1/'2"<"12'-),'"10(.;*-"(1'="1:)' '+":@'8+ *<,'1(-' 7,-' 6,,1' -(9/*7'68-' =),1' .,-8.1'7(8' #%"*%#)*<,'-),'-.8,'#-*-,'67'-%",' +(#-D4+3) 3$' & '<(%'"<'+'U ' F I' "## 1"2)-3# 8-(6"(2;+)7'<(%'"'++' U9L' B

&*+*6 ,-' 5-/8, ,<,<' /' F*+<6/-2R'47,-,2' . ' 7,' 5-,66*+?' *+6 .+8,' /0' 7,' -/=. ' 57=6*8*.+62' .' <*6 -,66*+?' *+ ,-#*, 4' //M' 5 .8,' 3, 4, ,+' ,-8,#. '2.+<' 7*6' .0 *8 ,<' '/#,-,*?+' +' 7,' -, $-+' /0' 7,' 0/-1 ,-' /' /+</+2*' 4.6' 7*6' -,5/-' /' 7,' '5, .M,-' /0' 7,' /$6,' /0' (/11/+62' 7. ' 7/$?7' 7,' *+?06' 8/+#,-6. */+' 7.<' 3, ,+' +,* 7,-' '$+8/++,8 ,<' +/-' *--. */+. 2L' =, ' * ' 7.<' 3, ,+' 6/' 7**--*,<2' .+<' 6/' <*00,-,+' 0-/1' 7*6' /-<*+.-=' 1.++,-2' .6' /' 6. *60=' 7*1' 7. 2'0/-' 7,' 5-,6, +' . ' ,.62' 7,' 4.6' +/' *+' .' 8/15, ,+' 6 . ,' /' <*687.-?,' 7*6' M*+? =' <$ *,6') , 2' .?* . ,<' .6' 7,' 4.62' +/' /+ =' 4.6' 7*6' 1.++0,-' /' 7*6' &*+*6 ,-' 1/6' .00,8 */+. ,2 3$ 2' *+6 ,.<' /0' <4, *+?' /+' 7*6' /4+' .00 *8 ,<' 8/+<* */+2' 7,' $-+,<' 7,' 8/+#,-6. */+' /' 7,' 6$3B,8' /0' ,*8,#. 06' 0.1* =2' /0' 7,' <*00,-,+' 1,13,-6' /0' 47*87' 7,' 65/M,' *+' .+?$.?,' /0' M*+<' .+<' 0 . ,-*+?' -,?.-<' =' 7,' 57=G 6*8*.+6' * ' 4.6' 1,+ */+,<' /' 7,' (7.+8, /-' .+<' -*1,' &*+*6 ,-2' .6' .' -,1 .-M.3 ,' *+8*<,+ 2' 7. ' . 0.36/-3*+?' .6' 7.<' 3, ,+' 7,' *+ ,-,6' .M,+' 3=' 7,' *+?' *+' 7,' * +,66' .+< 6$00,-*+?6' /0' 7,' -*+8,66' 1, *.2' .+<' 0. . ' .6' 4.6' 7,' ,00,8' 47*87' 7,=' 7.<' 5-/<$8,<' /+' 7*6' 1*+<2' =, ' 7,' +/' 6//+,-' 3,8.1,' .' 5-,=' /' *+6.+* =2' 7.+' 7,-' +.1,' 8,.6,<' /' 5.66' 7*6' *56' '/1,' *1,' .0 ,-4.-<62' 47,+' 7,' 4.6' . ' ,+? 7' ,<' /' 65, .M' /0' 7*6' 3, /#,<' <.$?7 ,-2' * ' 4.6' $+<,-' 7,' 7.55=' <, $6*/+' 7. ' 67,' 4.6' *+' .+/#,-2' +/' /+ =' . *#,' .+<' 4, 2' 3$' ,+</4,<' 4* 7' 7,' ?*0 6' /0' 5,-5, $. ' =/$ 7' .+<' 7,. 7

H5' /' 7*6' *1,2' 7,' Q$, ,+' 7.<' 6$88, ,<,<' *+' M, ,5*+?' . ' M+/4 ,<?,' /0' 7,' -$,' 6 . ,' /0' 7,' *+?06' 7,. 7' .' 5-/0/$+<' 6,8-, ' 0-/1' 7,' 5$3 *8' .- *. 1 ,+ 2' 7/4 ,#,-2' 4.6' .55/*+ ,<' /' -,0.66,13 ,' /+' 7,' 0*-6' /0' /#,13,-E' 47,+ Y$+ ,66' 5-/-/?$,<' *+' 7,' 1, .+' *1, Y 7,' *+?06' * +,66' 1$6' $+.#/*<.3 =' 3,8/1,' .' /5*8' /0' <*68$66*/+' 88/-<*+? =2' /+' 7,' 1/-+*+?' /0' 7,' 0*-62' 7,' /-<

(7.+8, /-5-/8,,<,< /F*+<6/-*+7/5,6/0*+<*+?7,
.+?04,,+/$?7/6*?+7,+,8,66.-=(/11*66*/+0/-2
.5-/-/?.*/+23$2/7*6?-,.<*6-,662 7,4.6*+0/-1,<
7./+7,5-,8,<*+?<.=7*6&.B,6=7.<3,,+#*/,+=
*7/$?7/,-.3=8/15/6,<47,+7,(7.+8, /-6.4
7*12 6/*--.*/+.4.6 7*6<*68/$-6,<$-*+?7,*-*+,-#*,42
7.7,.,-2/+@$**+?7,-/=.5-,6,+8,2 4.6/36,-#,<
/*-/4 $5 7*6 7.+<6 <,65/+<*+?=2 .6*0*+5.*+0$
.+*8*5.*/+/0 7,4/-6 H+<,-7,6,8*-8$16.+8,62 7,
(7.+8, /-2*+7,H55,-/$6,2.+< ,-8,#.2*+7,
/4,-2*+<$8,<7,4/ /$6,6/.<B/$-+*7,9W72
3=47*87*1,**4.6 7/5,<7.7,*+?4/$<3,6$0'0
8*,+=-,8/#,-,</,+.3,7*1/<*687.-?,7*6M*+?=
<$*,6+7,/4,-/$6,6/1,/$87*+?7.$6*/+6 4,-,
1.<,3=,-8,#./7,8.$6,6/07*6'/#,-,*?+06 1..<=
0.+=7*+?2L7,6.*<2 8/$<1/-,6,+6*3=*+8-,.6,7/6,
0,,*+?6/0.00,8*/+2.+<<*1*+*67 7/6,/0.00*8*/+2 47*87
.-,.7*6 1/1,+0,3=7*6&.B,6=06 5,/5,2**6 7,
M+/4,<?,7.7*6<*6/-<,-7.6/-*?*+.,<0-/1 7*6
8/+6.+.+<$+-,1**+?.+N*,=2.+<.,+*/+2<$-*+?
7,5.*+0$.+<5-/-.8,<6$00,-*+?6/0.<,.-=3,/#,<
87*<L/7,6.1,.00,8*+?8.$6,7,57=6*8+*+62/+,
.+<.2.-*3$,<7*6 1..<=L,-,.5,<+/**+
7*6 4/-<2L4-*,6'*-F.,-'8/2 7,-,4.-</0
7*6 0*-1+,662 7*6#*-$,2 7*6,+<$-*+?5.-*/*6 1I 3$
4.6 6-*8M,+4*72 1,+.*.*,+.*/+47*,7,4,5 2
3-/M,+07,.-,<2/#,-7,3,</0.3,/#,<.+<.1*.3,
<.$?7,-L2

4.6.5.*+0$0,.$-,/0 7,*+?06<*6/-<,-2 7.7*6
1*+<5,-6*6,<*+<4,*+?/+7,<,.*6/0 7,1,+.
.*1,+6 47*87 7.<5-/6-.,<7*1/+0/-1,-/88.6*/+6
+7,<.=/+47*87 7,(7.+8, /-#*6*,<7*12 7,*+?

[(./ (%:6,#-,"B# "*.",#<(%""<+ !8:@"12)*;*+,.#<(%"<'+U
.%";,1-*.7 ,6*-,#<(%><"""":(%U*1/:(- !c: "0,(0 (;"%%7<(%""+
8 N o> /"-"(1 - ".E :(--3#+.(#,E(.@#<(%"<'+!U

4.6 /#,-7,.-< 7/ <*$? .' 8/+#,-6. */+' 4* 7 7*16,02 7,' 6$3B,8' 3,*+? 7,' 6,#,-.' 8.$6,6 /0,.87 /0 7/6,'.* 1,+6' ' ' 7,' 6.*<2 65,.M*+? /0 7*6 5-,6,+' 1. .<=2 4.6 /88.6*/+,< 3=' 5//-' 1,*. L

4/' <.=6 3,0/-,' 7,'<*66/ $*/+' /0 7,' -*+8,66 1,*.2 7,'0/ /4*+? (/$-' 68,+,' 4.6 5-,6,+ ,< .' F*+<6/- Y' ' 7,' . ,-' 5.-' /0 7*6 1/+ 720ÆJ 8 /3,-V 4-*,6 (/ /+,' F* *62 ' 7,' *+? .?.*+' 3,?.+' /' 67/4' 1.-M6 /0 1,+.' <,-.+?,1,+ ' 7,'57=6*8*.+6 *66$,< 7,*-' 6.' 3$,*+6' 7,'*11,<*. ,'8.$6,'4.6*15$,< /' 7,' ,N-,1,'?-*,07,' 0, '0/-' 7,'6* $.*/+' /0 7,' -*+8,66 1,*.2 47/' 7,+' .=' /+' 7,'5/*+' /0 <,.7' +' 7,' 96' 8 /3,-' -,8,*#,<.' +/ ,' 0-/1' (/ /+,' &8&.7/+2 6*?+*0=*+? 7,' -*+8,' /0 F.,606 8/11.+<6 /' 6,',' 1,'.' F*+<6/-' ' 4,+' 7,' +,N' <.=f 4.6 M*+< =' -,8,*#,< 3=' 7,' -*+8,Y 47/' 6.4' 1,'.6 6//+' .6 ' .--*#,<Y.+<' *+0/-1,< 1,' 7,'8.$6,' /0 7*6 6,+<*+? 0/-' 1,'4.6 /' 1.M,' 6/1,' .--.+?,1,+6 .3/$' 4*+,'0/-' 7,'Q$,,+' .' -/?1/-,' ,' 7,+',+ ,-,< *+ /' 7,' *+?06 6*$.*/+f 6.*< 7.' 7,'4.6 @$*,' .6 * ' .6 ,#,-f 7.' 7,' &*+*6 ,-6Y 7.' *62 7,' /-< (7.+8, /-' .+< /-< F, ,6 ,=YE7.< 8. ,< 7*1' /$' /0 3,<'*+' 7,' 1/-+*+?' /' 6 .,' 7*6 &.B,6 =06 8/+<**/+' /' 7*1f .<<*+? ,157.*8. =2 7,6,'.-,' *1,6 7.'-,@$*-,' 7,',+*-,'#*?/$-' /0 -/#,-+1,+2 47*,'*6 47/,'#*?/$-'8.*+/'3,',N,- ,<2 .+<=/$ 1$6'6,,' 7.' 7,'5-,6,+'6 .,' /0 7*+?6 8.++/' .<< /' 7,'6 -,+? 7 /0 7,'5-,6,+' &*+*6 -=' ,' 8/+G *+$,<Y .1' ?/*+?' /' <*+,' 4* 7 7,'Q$,,+')/$ 4*' 6 .=' .+< <*+,' 4* 7 =-47*' F7,+' ' -, $-+2 4,'67.' 65,+<.' 8/10/-.3,',#,+*+? /?,7,-

' 3/$' ,*?7' /08 /8M 7,' -*+8,' -, $-+,<2 .+< /+' 8/1*+?*+ /' 7,'-//12 6.*<YP 7,' $M,'/0($13,-.+<4* ' 6*' 7,',#,+*+? 4* 7 $62 3$' -,1,13,-2 7/$?7 4,'.-,'/+' ,-16 /0 8*#* * =' /?,7,-2 =/$.-,' +/' /' 6$55/6,' 7,-,' ,N*6 6 .+=' 8/-<*.' $+*/+'3, 4,,+' $6C '//+' .0,-2 7,' $M,',+ ,-,<' *6 -,8,5*/+' /0 1,'4.6 -.7,-' <-=' .+<

<*6 .+ Y ‘ 8/+8,*#,‘ 3,8.$6,‘ 3,‘ 7/$?7‘ ‘ //M‘05.-‘ 4* 7‘ ' ,57,+6/+‘ F,‘6.‘ * ‘ 4, #,‘/08 /8M‘f 7,‘ -*+8,‘#,-=‘ 0.1**.-f 6,,1,<‘6$65*8*/$6‘/0‘ 7,‘<,6*?+6‘/0‘ 7,‘&*+*6 ,-6f . M,<‘ /+‘ .‘ #.-*, =‘ /0‘ 6$3B,8 6f .1/+?‘ / 7,-‘ 7*+?6‘ 1*1*8M,<‘ -. .+‘ 7,‘ -*67‘ /-. /-2‘ *+‘ .‘ 1.++,-‘ 7.‘ 4/$<‘+/‘7.#,‘<*6?-.8,<‘ //‘ 7,‘.8 /-

7,‘ $M,‘/‘(\$13,-.+<06‘3,7.#*/$-‘.+<‘8/+#,-6.G */+2‘ 7,‘47/,‘,#,+*+?2‘4.6‘/0‘.‘+.$-,2‘.6‘/‘8/.-6,G +,662‘.6‘4/$<‘7.#,‘<*6?-.8,<‘/+,‘/0‘7*6‘?-//16‘ 3/$‘ ,+‘ /08 /8M2‘.‘1,66,+?,-‘3-/$?7‘.‘ , ,-‘0-/1‘ &-‘ ,-8,#.2‘6.*+?‘47.‘7.<‘3,,+‘</+,‘*+‘ .-*.1,+‘ .+<‘4* 7‘-,65,8‘/‘.<B/$-+1,+‘ 7,‘ -*+8,26,,1,< 5,.6,<‘4* 7‘7,‘. ,+*/+‘ F,‘5.-,<‘.3/$‘4,#,‘ ‘3-,.M0.6,<‘+,N‘1/-+*+?‘4* 7‘ =-47* 2‘.+<‘-,G $-+,<‘/‘/4+‘5,-0,8 =‘6.*60*,<‘4* 7‘1=‘-,8,5*/+‘ 7,‘ -*+8,66‘ 1,*.‘<*,<‘7,‘6.1,‘<.=2‘ /#,13,-‘ Y‘ \$M,‘/0‘ ,+ 06‘3*- 7<.=‘ ,0/-,‘ ‘ ,0‘F*+<6/-2‘8. ,< /+‘&-6‘ ?,-/+2‘4*/6,‘7,.-‘6,,1,<‘3 ,,<*+?‘0/-‘7,‘ 8..1*/\$66.,‘/0‘7,‘ /=.‘.1*=‘ '7,‘-,5,. ,<2‘4* 7‘ ?-,.‘,.-+,6+,662‘.+‘,N5-,66*/+‘/0‘7,‘ *+?062*11,<*. ,=‘ 3,0/-,‘P7*6‘* +,66Y 7.‘7,‘0,,*+?6‘\$55,-1/62‘*+‘7*6‘ 7,.-‘4,-,‘/#,‘0/-07*6‘5,/5,‘.+<‘7*6‘87*<-,+L

7,‘ -*+8,66‘ 1,7.2‘.‘7,‘*1,‘/0‘7,-‘<,8,.6,2‘4.6‘ /+=‘*+‘7,-‘4,+=0,*?77‘=,.-‘ ‘4/‘<.=6‘.0,-4.-<62L‘ &*66‘ +*?7‘4-*,62Y‘ -*+8,662 \$?\$6.‘6,+‘0/-‘1,2‘.+< .6‘‘4.6‘6* *+?‘4*7‘7,-2‘/+,‘/0‘E7,-‘<-,66,-62‘,+,-,<‘7,‘ -//1‘4*7‘.‘3*-<08.?,‘*+‘7,-‘7.+<‘.+<‘7,-‘0*+?,-6‘*+‘7,-‘ ,=,6‘P -*+8,66‘ 1,*.2C 67,‘6.*<2‘P?.#,‘/-<,-6‘3,0/-,‘ 7,-‘<,.7‘7.‘7*6‘3*-<‘67/\$<‘3,‘-,\$-+,<‘/‘=/\$-‘ /=.‘ *?7+,662‘3\$‘+/‘/+‘7,‘<.=67,‘<*,<2‘1/-‘7,‘<.=‘.0,-2‘ 7.‘*‘1*?7‘+/‘.00*8‘=/\$‘ //‘1\$87*+‘7,‘0*-6‘7/\$-6‘/0‘ =/\$-‘?-*,0f 3\$‘67,‘4*67,<‘=/\$‘/‘M+/4‘7/4‘+1877‘67,E

I‘ ‘ "*#,#‘(0‘ (%(1,%‘ ,1.7‘ (.-(1‘E"%%"#‘ C‘ ‘ ; ,=‘ (%(1,%‘E"%%"#‘<,.7‘ =,%%&D‘=."-,#‘(1,‘(0‘)"#‘:(1-,;+(.*.",#‘-(‘-6,‘*8-)(.‘P‘)*/‘;8:)‘-(/(‘="-)")";‘ =),1‘‘=*#‘ ,1-%,;*1‘(0‘-),‘ =.7‘=),1‘)(‘=*#‘*-‘-),‘),*/‘(0‘-%"(‘ (*./‘(0‘ .,,1‘ %(-)‘ ,‘=*#‘*‘:5"*.;"12‘,>:,%%(1-‘1;1 33

4.E /3*?,< /' =/$ 0/-' ?*#*+?' *' /' 7,-2 .+< 47.' .' 8/10/-'* 6'64,,'#/*8,'7.<3,,+CL'

7/$?72 0/-' 6/1,'C<.=6' .0 ,-' 7,' <,.7' /0' 7,' -*+G 8,66' 1, *.2 7,' *+?' 4.6' *+' .' 1/6' <*6-,66*+?' 6 .,' /0' 1,+ .' <,-.+?,1,+2 *' 4.62 7.55* =2 4* 7/$' 1.+*0,6*+?' .+=' ,N -./-<*+.-=' ,1/ */+' 7.' 7,' -,8,*#,< 7,' *+ , *G ?,+8,' /0' 7,-' <*66/ $*/+' 7,' 6.< ,#,+' 4.6' 8/11$+*G 8.,< /' 7,' *+?' 3=' '*-' ,+-=' .0/-<' ' .0/-<2L' 4-*,6' $1,-' F.-<2 //M' .+' /55/-$+*=' /' 6.=' P7,' 4.6' ?/*+?' /' -=' 7*6' &.B,6=06' 5*, =C ,' *11,<*. , =' .+64,-,< 7,' M+,4' 47.' 7,' 1,.+2 .+< 7.' 1, *.2 7,' 6$55/6,<2 4.6' <,.<' .0/-<' -,5*,<*' 4.6' 6/I $5/+' 47*87' 7,' *+?' 4,+' /00*+' .' /4' -.137+?' 4.=2 4E7*87' .6,< 6/1,' *1,2 47,+' 7,' 3,8.1,' 1/-,' 8/15/6,< .+< 1,+*/+,<7,-' .?.*+2 6.=*+?YP //-'?*- TCL0

+' '$+<.=2 7,'99 7' /0' /#,13,-2 7,' *+?' 4.6'+/'/+=' 3, ,-23$'4, ',+/$?7' /'3,'.3 ,' /'-,8,*#,'.'#*6*'0-/1' 7,' /-< (7.+8, /-' 0'7*6'57=6*8*.+6'7,'*+@$*-,<7/4' /+?' 7,' 7.<3,,+' * 2 .+<2 /+' -,8,*#*+?' 7,*-' .+64,-2*+*1.,< 7.'7,'7.<+/'-,8/ ,8*/+' /0' 7,' *1,' 7*62 7,' 6.*<2 7.< 3,,+' 7,' 0/$-7' 3 .+M' *+' 7*6' *0,I .' 7,' 6.1,' *1,' ,+$G 1,-. *+?' 7*6' 7-,' 0/-1,-' * +,66,6' .+<' 7,' ,+? 7' /0' *1,' 7,=' 7.<.6,<' ,' 7,+' .6M,< 47,7,-' 7*6' <.$?7,-06' 0$+,-.'7.<.M,+'5.8,2 .+<3,*+?'*+0/-1,<1' 7,'+,?.*#,2 7,'-,0,--,</'8,-.*+'*+6-$8*/+62 47*872*+' .+' ,.-*,-'6.?,' /0'7*6'* +,662 7,'7.<?*#,+' /+' 7,'6$3B,8 2 <,6*-*+?' E.2' $+,66' 7,' -*+8,66' 7.<,0' 8/+-.-=' <*-,8*/+6'*+' 7,-' 4* 2 7,=' 67/$<3,'6-*8 =' 8.--*,<*+ /',N,8$*/+' /-' 7,-'3$-*.' .+7,1' 7,' *+?'6,,8,<7,'8/+8$<*+?'#,-6,' /0' 7,'6*N ,,+70 6.1' 7/$' 67.' 67/4' 1,' 7,'5.7

I' 8-(6"(2.*+%"7' <(%' "' +' ')"#' :)*.;"12' ."1:,## #,,;#-(' 6,' *%;(#-' "/(%"V,/' 67' -),' -"% ,.,1-' ;,;6,.#(0'),.'0*;"%7').,,'7,*.# *0-,.=*./# =,'0"1/'-),' ."1:,(.E *%,#/,,+%7*00,:-,/67'-),;,.,;,1-"(8(0'6"##"#-,.3#1*;,' MM ,'68.#-'"1-(' -,*.#P'=."-,# "## 1"2)-'C'=%",1' ' ;,1-"(1,/' ."1:,## ;,%"*' *1/'.,2.,--,/'%",' :(8%/'1(-' ;(.,'08%%7':(;+%7'="-)'),.'%*#-'="#),#? ,,;,/',;6*..*##,/'*1/',>:,##"<,%7' (<,.:(;,P4#('+' -' ,;("."#(0' %8;:.'E*./'67'-)(' (1' /;81/')"++#'<(%'"'+'

/0 *0, + 7B 5-,6,+8, *6 7, 0$ +,66 /0 B/=2 .+<*+ 7= -*?7 7.+< *6 5 ,.6$-, 0/- ,#,-1/-, L 7, 0$+,-. 2 47*87 //M 5 .8, *+ ' , /-?,06 (7.5, . F*+<6/- /+ 7, 9_ 72 . 7, &*+*6 ,-6 /0 ' . ,2 .?-,,.3 = 4* 7 7, *+?06 4*67,62 //M 5.- *+ 7, 8,-,1/+=

+ 7, 9W 72 * 4.6 *+ *1. ,< 7= ,-8,#. / 7a /$6, /0 (/11/+6 7. 7, 7.< 3,,+ 7. <.= . F*+<6/-2 *+ 8/11$+*8. */+ 4* 7 7, -/=. 57=6*8*.+62 47/6, /5*+*/+* 4.6 7. 7*6 &.B,6 =06 7,. 7 4.62 7.55* =2 *+ .6 . , /0 5-/?-,66*#, *15-/#,1,+ 88/-<*+? =2 $+<,- 7,6, 8*-8$16 .+8,62 7, 5-/5/6,< .+< 8.--*,< 7, @$,6 */+ /0 . 0$- 7,- .<B/$-+1,+ /0 7, /$6,0 7*6 1/-, 87,,-0$ .65,8 /0 .00.*-62 7/4,#,-2 4.6 $+0/- $G +. , = 8/$+ ,-.8 ,< 7= 7, *+?06 /#,-0>,. *+ 47. 7, -,?.-<,< .6 . -, *?*/$6 <*687.-?, /0 7*6 <$ *,6 ,-8,#. 7.< +/ /+?@$* ,< F*+<6/- 47,+ 7, *+?0 *+6*6 ,< $5/+ ,+ ,-*+?$5/+ . 1/6 5.*+0$ *+#,6 *?. */+ /0 7, 6,-#*8,6 .+< 8 .*16 /0 7, . ,+<.+ 6 /0 7*6 . , <.$?7 ,- ?-,,.3 = 4* 7 7*6 <*-,8 */+62 . 5.- *8$.- <-.4,- *+ 7*6 5-*#. , 8.3*+, 4.6 /5,+,<2 *+ 47*872 .6 7, 7.< *+<*8. ,<2 4,-, <*68/#,-,< 8,- .*+ 5.8M.?,62 8/+ .*+*+?7, </+.G */+6 47*87 7, <,6*-,< 7/6, 5,-6/+6 / .88,52 .+< /+ 47*87 4.6 <$ = -,?*6 ,-,< 7, +.1,6 /0 ,.87 7, *+?7.<2 . 0*-6 2 3,,+ 5,-0,8 = 8/ ,8 ,< 4B** , ,+?.?,< *+ 7*6 1, .+87/ = /88$5. */+2 3$ /4.-<6 * 6 8 /6, 4.6 /#,-G 8/1, .+< .55.-,+ = @$* , 4/-+ /$ A + ?/*+?7-/$?7 7, <, .* 6 /0 , .87 5,-6/+6 8.6,2L 4-* ,6 7, '5, .M,-2 .+< <*-,8 *+?47,-, /0*+< 7, 5.5,-6 .+< 5.- *8$.-6 /0 , .872 7, 7.< 67/4+ 6$-5-*6*+?.88$-.8= I 3$ /4.-<6 7, ,+< 5$>> ,< 7*16, 02 .+< ,0 /00 3= 7*6 /4+ 87/*8,2 .+< 7.< 7, +,465.5,- -,.< /7*1 3,0/-, 7, 4,+ /3,< L [

I (./ (%:),#-,.3# "*.",#<(% ""+ (#,3# "*.",#<(% ""B+ UL L "##1"2)-8# 8-(6"(2.*+)7<(" "++ -(./ (%:),#-,.8# "*.",#<(% ""+ "0,(0 (;"%%7$(% ""+!L ? 1/ /"-"(1

" (#,3# "*.",#<(% ""+UL Z (./ (%:),#-,.3# "1.",#<A% ""+ U

6‘ ,8 /-‘ /0‘ .+/#,-f 7,‘ / 7,-‘ 4.6‘ +/‘ 1,+/+,<‘ /‘ 1,L‘
7,‘ / 7,-L‘ <,$6*/+2‘ -,0,--,<‘ /‘ 3=‘ /6,2‘ 4.6‘ /0‘.‘ 6/1,47.‘ ,N-./-<*+.-=2‘ .6‘ 4,‘ .6‘ -/1.+*82‘ 87.-.8,-‘ $-*+?‘ 6/1,‘ 5,-*/<‘ /0‘ 7*6‘ =/$ 70‘ 7,‘ *+?‘ 7.<‘ 8/+G 8,*#,<‘.‘ 5.66*/+.,‘.<1*-.*/+‘ 0/-‘.‘ .<=‘ /0‘ 65/ ,66‘ #*- $,‘ .+<‘ 6.,=‘ /#,*+,66 Y 7>.7,7‘ (/$+ ,66‘ /0‘ ,13-/M,0‘ /-.8,‘ F.5/ ,2‘ 65,.M*+?‘ /0‘ 7,-‘ 4.M*+?‘.‘ 7,‘ 7,.<‘ /0‘ 7,‘ (/$+ ,66,6‘.‘ 7,‘ 8/-/+.*/+‘ /0‘ ,/-?,‘ 7,‘ 7*-<2‘ <,68-*3,6‘ 7,-‘.6‘ ‘ 7,‘ 5*8 $-,‘ /0‘ 1.B,6*8‘ 1/<,6=L‘A‘ F7,7,-‘ 7,‘ *+?‘ 7.<‘ ,#,-‘ 5,-1*,<‘ 7*6‘ 5.66*/+‘ /‘ 8/1,‘ /‘ 7,-‘ M+/4,<?,2‘ 7,-,‘ 6,,12‘ /‘ 3,‘ +/‘ 1,.+6‘ /0‘.68,-.*+*+?‘ ‘.H,#,+62‘ 7,‘ <,,5‘*15-,66*/+‘ 47*87‘ 7,-‘ =/$ 70$‘ /#,*+,66‘ 7.<‘ 0/-1,-=‘ 1.<,‘ $5/+‘ 7*1‘-,G 1.*+,<‘ *+<,*3,‘ *+‘ 7*6‘ 1,1/-=‘ $-*+?‘ 7*6‘ 0/-1,-‘ 1,+.‘ 1..<=‘ *+‘ 9:; Y+/ 4*76.+<*+?‘ 4,+=06,#,+‘ =,.-6‘ 7.<‘ ,.56,<‘ 6*+8,‘ 7,-‘ =/$ 70$‘ 3,.$ =‘ 7.<‘ 8.,< 0/-7‘ 7,‘ 7.55=‘ ,+8/1*$1‘ /0‘ F.5/ ,Y7,-‘ 0/-1‘ 7.< 3,,+‘ ,#,-‘ 5-,6,+‘ /‘ 7,‘ *+?06‘ *1.?*+.*/+2‘.+<‘ 7,-‘ +.1,‘ ,#,-‘ ,68.5*+?‘ 0-/1‘ 7*6‘ *56‘ '*+8,‘ 7,+2‘.‘ 5,-*/< /0‘ 4,+=0 4/‘ 1/-,‘ =,.-6‘ 7.<‘ 5.66,<‘ .4.=f =,‘ *+‘ 9;99 7,-‘ 0/-1‘.?.*+‘ 7.$+,<‘ 7*6‘ *1.?*+.*/+‘.6#*#*<=‘ .6‘*‘ 7.<‘ </+,‘ *+‘ 9:; ‘ 7,‘ 6.1,‘ 6*8M=‘ 0.+.6=2‘ 47*87‘ 7.<‘ 8/+B$-,<‘ $5‘ *+‘ 7*6‘ 1*+<‘ 7,‘ #*6*/+‘ /0‘ 7*6‘ <,.< <.$?7,-‘ *+‘ 7,‘ ,+B/=1,+‘ /0‘ ,#,-.6*+?‘ 7,.7‘.+<‘ =/$ 72‘ +/‘ /+=‘ 5-,6,+,<‘ /‘ 7*1‘ 7,‘ *</‘ /0‘ 7,‘ 5.62‘ 5,,-,66‘ *+‘.‘ 7,‘ 3//1‘.+<‘ 3,.$ =‘ /0‘ 0/-1,-‘ <.=62‘ 3$‘ 7,‘ 4.6‘ 7,.-<‘ 5.7,*8.=‘.<<-,66*+?‘ 7,-‘ 3=‘ 7,-‘ 1.*<,+‘ +.1,2‘.+<‘ 3,6,,87*+?‘ 7,-‘ /‘ ?-.+‘ 7*1‘ 7,‘ *+,-G #*,46‘ 0/-‘ 47*87‘ 7,‘ 7.<‘ 5-/3.3=‘ 6*?7,<‘ *+‘ 3/=7//<‘ +‘ 7*6‘ 6,8/+<‘ /88.6*/+2‘ 7,‘ * $6*/+‘.55,.-6‘ /‘ 7.#,‘ 7.$+,<

K‘ (#,3#‘ "8.",#‘<(%‘ ""‘ +‘ U‘
0‘ */7‘ %"V*6:-%"‘ +,1:,.‘ /*82)-,.‘(0‘)*.%,# #,:(1/‘ 8@,‘(0‘ *.%6(.(82)*1/‘ 2.,*-‘2.*1/9/*82)-,.‘(0‘-),‘0".#-‘*1/‘"%%8#-."(8# 8@,‘=*#6(.1‘(1‘-),‘ -)‘(0‘ ,:,;6,.‘ ! ‘ *1/‘ (1‘-),‘ -)‘(0‘ *.,)‘ L‘6,:*;,‘-),‘="0,‘(0‘ ,1.7‘-,1-)B‘ *.%‘(0‘ ,;6.(@,‘),‘=*#0(.‘;*17‘7,*.#*‘ */7‘(0‘-%",‘ ,/:)*;6,.‘-(‘H8,,1‘)*.%(--,‘ "‘ E*%+(%,3#‘ ,--,.#‘<(%‘""""‘+‘U! ‘ /‘ L

7*1' 0/-' .' /+?,-' 5,-*/<' 7.+' <$-*+?' 7*6' 0/-1,-' <,-.+?,G
1,+ 2' .+<' #,-=' 5/66*3 =' 4.6' <*65, ,<' /+ =' 3=' <,. 7 '
/- $+. , =2' *+' 7,' <,.- 7' /0' / 7,-' /88$5. */+62' 7,'
+?' 4.6' .3 ,' /' ,+ ,- .+' 7*16, 0' 4* 7' 5 .=*+?' /+' 7,'
5*.+/0/- ,2' 3,6*<,6' .M*+?' .' 5 ,.6$-,' *+' *6 ,+*+?' /' 6$87'
.88/$+ 6' .6' 4,-,' 3-/$?7 ' 7*12' 0-/1' *1,' /' *1,2' /0' 47. '
C4.6' 5.66*+?' *+' 7,' ?.=' .+<' 7$6=' 4/-<' *+' 47*87' 7,' 7.<
8,.6,<' /' 1*+?, ' +' 7,' 9: 7' /0' A.+$.-=2' 0/-' *+6 .+8,2' *6**'
4,' 0*+<' 7*1' .M*+?' 1$87' *+ ,-,6' *+' 7,' 4* ' /0' 7,'
4,. 7=' .+<' <*66/ $,' / <' $M,' /0' Q$,,+63,--=2' 47/' 7.<
<*,<' 7,' 5-,8,<*+?' 1/+ 7I' 7*6' 3,*+?' 7,' <.=2' 4,' 1.='
1,+ */+2' /+' 47*87' 7,' *+?' #.62' 0/-' 7,' 0*-6' *1,2' . /4,<
/' -,6$1,' 7*6' 0.#/$-* ,' 4. M6' /+' 7,' ,--.8,' . ' F*+<6/-
6' 7.<' 7.55,+,<' .0 ,-' 7*6' 0/-1,-' * +,66,62' 7,' /5,+' .*-'
7.<' 7,' ,00,8' /0' 5-/<$8*+?' .' 8/+6*<,-.3 ,' .1/$+' /0'
-- .3* * =' .+<' ,N8* ,1,+ 2' <$-*+?' 7,' 8/+ *+$.+8,' /0'
47*87' 7,' . M,<2' .6' 7,' 7.<' </+,' . ' 7a' *1,' /0' 7*6'
0/-1,-' 8/+#. ,68,+8,' *+' 9:; 2' *+' . *+' 7,' +,N' <.=2'
7.#*+?' 3,,+' . /4,<' /' -,5,. ' 7*6' .*-*+?' /+' 7,' ,--.8,2'
7,' ,N5-,66,<' .' <,6*-,' /' 4. M' /+' .' 5.- *8$.-' 5.-' /0'
* 2' 47*87' 7,' +.1,<2' *+' /-<,-2' 7,' 6.*<2' 7. ' 7*6' 6$3B,8 6'
1*?7 ' 7.#,' /8$.-' ,#*<,+8,' 7. ' 7,' 4.6' . *#, 0
+' 7,' K 72' /-<' </+' .+<' ,-8,# . ' 5-/8,,<,<2'
.88/-<*+?' /' .55/*+ 1,+ 2' /' F*+<6/-2' 47,-,' 7,=' 7.<'
.+' .$<*,+8,' 4* 7' 7,' *+?2' 47*87' .6 ,<' 0/-' .+' 7/$-'
.+<' .' 7. 0' ,6*<,6' 7,' *+?06' 1*+<' 3,*+?' *+' .' *+$87

I' ,,' *##,73# "#-(.7' (0' 12%*1/ ' <("' """' +' U !' *1/' -),' H8*.-,.%7' ,<",= '
<("' :<' +' U ' 1(-,' ' :(..,#+(1/,1-' (0' -),' *.A8"#'(0' 8:@"12)* ;' =."-,# -('
)";' "1'-),' ; (1-)' (0' *.:"' 4C'),' 1,=#0.(;' $"1/#(.'-)"# ; (.1"12' "#-)*-'-),'
"12')*#)*/' *' 2((/' 1"2)-' *1/' "# A8"-,' :*%;' ' *;' '-(%/'-)*-'),' =*# *00,:-,/'
#(%,%7' 67' (1,' (0'-)(#,'K/,%8#"(1#3 -(' =)",)')(' "# #(' #865,:-' (8.' (./#)"+' =,%%
@1(=#-),' 1*-8.,' (0'-)(#,'M/,%8#"(1#3 800":,'"-'-)*-'="-)"1'-%",#(',"2)-' *1/'0(.-7')(8.#
),' #*"/'-(',' 8@,' (0' 8##,> 4M #' "-' 1(-' *' #-.*12,'-)"12' /(%+)8#'-)*-'-),7' #-"%%
.,08#,'-(' %,-' ;,' 2(' -(' */7' , ;6.(@,' *%-)(82)',<,.7' (1,' @1(=#' ' *;' ;*..",/'-('
),' fF 8-' =)*-' "#=(.#-' (0'*%%' "#')-*-' "10*;(8# #:(81/.,% *%0(./'W ".' ,1.7%' =*# 67'
-'-),' ;.."*2,' *1/')*# 1(=' -),' ,00.(1-,.7'-(' /,17' "-'-(' 1"7' 0*:, +3 '
& '3 ' '+ 9'<("' "'+' L
-' 8:@%*1/' (..,#+(1/,1:,' <("' "<' +' ! U' (./' (%:),#-,.3# "*.",#' <("' ""'
+'! ' (#,3# "*.",#'<("' ""'++' U 'U !
$ ' ' '

. 4.=6 3, . E7.+< /8/1, 0/-4.-< L 3-/$?7/$ 7,*-
/+? *+ ,-#*,4 6.*< ,-8,#. ** ,-, 4.6 5,-8,5*3 , .
1/6 1.-M,<*15-/#,1,+0*** 7, *+?6 1*+< }+<1.++,-
6*+8, 7, 7.< .6 8/+#,-6,<4**0 7*+ C
+ 7, 1,.+ *1, &*+*6 ,-6 7.<*+ -/<$8,<. * *+ /0
.-*.1,+ 8/+6*$*+? 7, -*+8, /0 F. ,6 ,?,+
/0 7, ,. 1 $+<,- 8,- .*+ -,6 -*8*#, 5-/#*6*/+6 47*87
4,-, /8,.6, . 7, ,+< /0 .0=,.- 7, 087.-?, .+<
8.-, /0 7, *+?6 B*,-6/+ .+< 7, <*65/6**/+ /0 7, -/=.
7/$6,7/ < 4,-, #,-= 5-/5,-= /3, #,6 ,<*+ 7, Q$,,+0
= 7, 5-/#*6*/+6 /0 7, 8 7, -*+8, 4.6 <*6@$.*0*,<
0-/1 ?-.+*+? 5,,-.?,6 ,N8,5 B3- +.#. .+< 1*B* .G=
6,-#*8,6 .6 4, .6 0-/1 .4.-<*+? 5,+6*/+6 /- 5.8,6
0/- *0, 4.6 7, .+N*/$6 4*67 /0 ,-8,#. .6 * 7.<
0/-1,-= 3,,+ 7, .+N*/$6 4*67 /0 * $+<,- 6*1* .-
5.*+0$ 8*-8$16.+8,6 7. 7, .00*8 ,< *+?* +7, ,#,+
/0 7*6 -,8/#,-=2R67/$ < 1*66 +/+, /0 7, 8/10/-6 /47*87
7, 7.< 3,,+ .88$6 /1,< +/- .+= /0 7, 0.8,6 4* 7 47*87
7, 4.6 0.1** .- I 3$ /+ *, 8/+ -.-= 7. 7, 67/$ < 0*+<
7*6 .00.*-6 5-*#. , .6 #E, .6 5$3*8 .6 * , <*6.--.+?, <
.6 5/66*3, 7, F7*?6 7/4,#,- 7.< 3,,+ 0.- //</+?
,N8 $<,<0 0-/1 5/4,- .+< 5.8, +/ /0-, . 7, *1G
5/- .+ -,6 -*8*/+6 47*87 ,-8,#. 1,<* . ,< .=*+? $5/+
7, -*+8, .+< 1/-, ,65,8*. = P. 7, 5-/5/6, <,+</4G
1,+ /0 7, Q$,,+ 4* 7 7, 5. -/+.?, /0 7, -/=. 7/$6,G
7/ <I 8/+0,--*+? .6 * <*< /+ 7/6, 7.#*+? 7, <*6G
5,+6. */+ /0 * . 0/-1*<.3, .1/$+ /0 5/ **8. 5/4,-
6 0/- 7, -*+8, 7, -,?.-<,< /- .00,8 ,< /-,?.-< 7,
6, ,8*/+ /0 7, Q$,,+ .6 . 5,-6/+. .00-/+ 5$ $5/+
7*16,0 , 7.< ,N5,8 ,< 7, 6.*< /3, -,. ,< .6 .
?,+ ,1.+ .+< +/ *M, .-$00*.+0 F* 7/$.+ ,N8,5*/+
.6 4* 3, 6,,+ 3= 7, 0/ /4*+? 5-/ ,6 7, -*+8,6 /0
7,E3 //< 6*<,< R4<7 7, ,*- / 7, 7-/+, Y

[(./ (%:),#-,.3# "*.",#<(%"-++! 9U -' (#,3# "*.",#<(%""+'UL

&

' % 2 &' A 0 5!* 'C "/ 9;9 ' 9 '/08 /8M'L

C'),' ."1:,' (0' E *%,#')*<"12' *##, ; 6%,/' -),' =)(%,' (0' -),' ; *%,' 6.*1:),#' (0' -),' (7*%' * ; "%7' *1/')*<"12' :(; ; 81":*-,/' -(' 8#' -),' +5*1' "1-,1/,/' -(' 6,' +.(+(#,/' 67')"#' *5,#-73#' :(10"/,1-"*%' #,.<*1-#' -(' -),' (./#' *1/' (; ; (1#' 0(.' -),' ,#-*6)8#) ; ,1-' (0' *' .,#-."':-,/' :2,1:7' #)(8%/' -),' :(1-"18*1:,' (0')"#' *5,#-73#',<,.9-(9' 6,9%* ; ,1-,/' "%%1,##' .,1/,.' "-' 1,:,##*"7' E ,' 0,,%' "-' *' /8-7' =,' (=,' -(')"#' *5,#-7' (8.' ,(; "-.7' *1/' (8.#,%<,#' -(' ,1-,.' (8.' #(%, ; 1' +.(-,#-' *2*"1#-' ; ,*#8.,#' -)*-' =,' :(1#"/,.' *#' +,.0,:-%7' 81:(1#-"G -8-"(1*%' *#' -),7' *.,' :(1-.*.7'-(' *1/' #86<,.#"<,' (0' -),' +."1:"+%,#' -)*-'#,*-,/'(8"' * ; "%7'8+(1' -),'-).(1,'(0'-),#,' ,*%; #

F

#' ! ! 60'^ 0 ' '_ !0`
#' HH EA'^ 0 ' 'BHE! 6 `
#' =E! '^ 0 ' '< `"
#' ! '^ 0 ' 'B A1 !HE `
#'?) ' ! ! 60'^ 0 ' 'F a`
#'? H' ' ! ! 60'^ 0 ' 'BEA1!) `
#' HH EA' ! ! 60'^ 0 ' ' H 6 !`G'-' ;

' 7,' /00,+8,' .+<' <*6?$6 2L' 4-* ,6' /6,2' $47*87' 7*6' /88.6*/+,<2' /' 7,' 8/$+ -='?,+ ,1,+' *+' 5.-*8$.-2' 4.6' 3,=/+<',#,-= 7*+?' ' ,#,-' -,1,13,-' &.+='65/M,' /' 1,' /0' * ' *+' ,-16' /0' 7,' 6 -/+?,6' <*6.55-/3. */+2' 1*N,<' 4* 7' ?-,. ' -,6,+ 1,+ L'0' ' +<' 7,+2L' 4-* ,6' . 6, ' /' /-<' ,8'W' $8M .+<2' ' 7,' $M,6' /0' (.-,+8,' .+<' '$66,N'#/ *+?' .+<' 7 ! ' /+' .' @$,6*/+' *+' 47*87' 7,*-' 0. 7,-06' </1,6*8' 8/10/-6' 4,-,' R6/ *+ *1. , ='8/++,8 ,<T ' *6' .' <*68/$-G .?*+?' 5-, $<,' /' 0$ $-,' 68,+,6 L'A

7.' 7,' -*+8,06' 0*-6' ,N,-8*6,' /0' 7*6' +,4' .$ 7/-* =2' /+' 7,' ,?,+8=' * ' -,8,*#*+?' 7,' *+?06' .66,+2' 4/$ <' 3,' 7,' <*61*66.' /0' 7,' 5-,6,+' &*+*6 ,-62' +/' /+,' 0/-' .' 1/1,+' 8/$ <' 4, ' </$3 ' 7,' -*+8,2'*+<,,<2'7.<. -,.<=' 5-/8,,<,<' /' 6$87' ,+? 76' .6' /' 6,+<' 0/-' /-<6' f 0-,*E* ,

="##3#' "0,'(0' %/(1'<(%'""'+' ! ' (./' (%:),#-,.3#' "*.",#'<(%'""'+' ' (#,3#' "*.",#'<(%'""'+'U !' ħ 8:@%*1/' (..,#+(1/,1:,'<(%'"<'+'!

.+< -,=2 47/1 7,7.<*+6 -$8 ,< /.M,5-, *1*+.-=6 ,56 0/- 0/-1*+?. + ,4 <1*+*6 -. */+2 /0 47*87 7, 0/-1 ,- +/3 ,1.+ 4.6 /7.#, 3, ,+ .7, 7, .< /-<**/*-.2 47/4.6 /7.#, 3, ,+ /-<*,$,+.+ /0 -, .+<27.</+/ /+=+/1*+. ,< 7, 1,13,-6 /07*6 ' .002 3$ 7.<*+0/-1 ,< 7,1 /0 7, <.= /+ 47*87 7,=4,-, /3, BX-85.-,< /6, /00 0/- $3*+ +*M, 1.++,- /-< ,15 ,7.<4-* ,+ /7*6 0-*,+<6 *+ $8M*+?7.167*-,2 +.1*+? 7, <.= /+ 47*87 7, *+ ,+<,< /8/11,+8, 7*6 5,-6/+. 8.+#.66 /0 7, 8/$+ =2T

'$87 4.6 7, 6 . , /0 .00.*-62 47,+2 /+ 7, 96 /0 A.+$.-=2 /-<6 </+ .+< *#,-5//4,-,2 . 7,*- /4+ <,6*-,2 .<1* ,< *+ /7, *+?06 5-,6,+8, 0/- 7, 5$-5/6, /0 .55-*6*+? 7*1 /0 7, 8/$-6, /0 5$3*8 ,#,+6 -,.<=2 4/<.=6 5-,#*/$6=2 ,-8,#. 7.< 3-/M,+ /7*1 7, 0.8 7. . ,?,+8= * 4.6 *+ 7, 8/$-6, /0 3,*+? 0-.1,< .+<2 8/+6,@$,+ =2 7, 4/ /-<6 0/$+< 7*1 +/ $+5-,5.-,< /8/+#,-6, 4* 7 7,1 /+ 7, 5.*+0$ 6$3B,8 7. 7, *+?06 1.++,- 4.6 7$--*,<2 7,= 4,-, 8/15, ,<C /.<1* I 3$2 /+ 7, /7,- 7.+<2 7*6 8/+#,-6.*/+ 3, -.=,< +,*7,- <,-.+?,1,+ +/- <, $6*/+ F.6 *7*6 6/+06 *+ ,+*/+2 7, *+@$*-,<2 /87.+?, 7*6 &*+*6 ,-6 S ,*+? *+0/-1,< 3= 7, 4/ /-<6 7.2 /7, 3,6 /0 7, *- M+/4 ,<?,2 6$87 4.6 7, -*+8,06 <, ,-1*G +.*/+2 7, *+*1. ,< 7. /+ 7*6 -,6$1*+? *, '/#,-,*?+ .$ 7/-* = 7, 67/$ < *0,*+6 . , 7,1 4.6 7*6 4*672 7/4,#,-2 7, .<<,<2 +/ /3, 3-/$?7 0/-4.-<L //6//+ AB

1-), ; ,*1-"; , *1,>-.*(./"1*.7*1/ ;(#81,>+,:-,/

I ,#+,:-"12-), 1,= "1"#-,."*% 1..112,;,1-# =)":) =,.,"1 ((1-,;+%*-"(10#,, "0,(0 (1"" %7 <(""+ ! L 1/ /"-"(1 ,;("# (0 (.1,. <(%"" ++ U (#,3# "*."#,#<(%""++U 9U ((.,3# "0,(0 ",."/*1<(%""+U ! ./ /"-"(1 -, ;("# (0 (6,.-8;,. E(./67-), (1 /;81/)"++#<(%""++! ! -(#,B# "*.",#<(%""+U

87.+?,' 7.< 3,,+' 04-/$?7' *+' 7,' *+ ,+ */+6' /0' 7,' -*+8,' /0' F. ,6' 7,' -*+8,2L' 04-* ,6' $1,-' F.-< /+' 7,' -< /0' ,3-$.-=2' '7.62' *' 6,,162' $-+,< 67/-' -/$+< $5/+' 7*6' 0-*,+<62' 47/' 6,,1' 8/+0/$+<,< L' ' 7,' 0,, *+?6' /0' /-<6' -,+#* ,' .+< -,=' 1.=' 3,' -,.<* =' *1.?*+,<2' 47,+' 6$<<,+ =' *' 4.6' *+ *1. ,< /' 7,1' 7.' 7,' -*+8,' +/' /+?,-' ,+ ,- .*+,< .+=' *+ ,+ */+' /0'<*68.-<*+?' 7*6' 0. 7,-06' &*+*6 ,-6' ' F7.' 1/6' /00,+<,< 7,12L' 4-* ,6' &-' F.-<2' ' 4.6' 7,' 1.++,-' *+' 47*87' 7,' -*+8,' .++/$+8,< 7*6' -,6/G $*/+' 7,=' 4,-,' *+' 7,' #,-=' .8' /0' 0/-1*+?' 7,' <G 1*+*6 -. */+2' 0* *+?' /0*'8,62' U82' 47,+' <.1'8.1,' *+' 0-/1' 7,' -*+8,' 7,=' 6.*< 7,' 1$6' <*6 $-3' 7,12' 0/-' 7,' 7.< .' 1,66.?,' 0-/1' 7,' -*+8,' 7,=' -,5 *,< 7.' *' 4.6' 0/-' 7,' -*+8,' 7,=' 4,-,' .' 4/-M2' 0/-' 7,=' 4,-,' 1.M*+?' 7,' /#,-+1,+' <.1' /< 7,1' /' 65.-,' .' -/$3,2' 0/-' +/' /#,-+1,+' 4.6' /' 3,' 1.<,' 7*6' 4.6' /+' -*<.=2' 7,' 962' *+' 7,' ,#,+*+?I .+< 47.' .00-/+ ,< 7,1' 4.62' 7.' .0 ,-' 7.#*+?' 7.< 6$87' .' .6M' 8/11* ,< /' 7,12' 7,' -*+8,' 67/$ < 7.#,' 5-,6$1,< /' .M,' .' 8/$+ ,-0-,6/ $*/+' 3=' 7*16, 02' 4*7/$' 0*-6' 8/+6$ *+?' 7,1 0' ' /' 3,' 6$-,2L' 4-* ,6' ,6' /-<' -,+#* ,' /' /-< $8M.+<2' '*0' 7,' -*+8,' 7.< M+/04+' 7*?' 1*+< .' * ,' 6//+,-2' *' 1*?7' 7.#,' 6.#,< $6' 6/1,' /*' .+< -/$3, L'A' +' 7,' 4/-<6' /0' /-<' ', M*-M2' 7,' -*+8,' 7.<' '-. ,< L'[$' /0'<//-62' .6' 1*?7' 3,' ,N5,8,<2' 7,' +,46' 8-,. ,<0' .+' ,N -./-<*+.-=' 6,+6. */+' ,6'! '7/. 6' /0' 5$3*8' 1,+' /0' . ' 5.-*,62L' 4-* ,6' &-' F.-<2' ' 3,6,' 7,' 5. .8,2' 47,-,' .' 7/$6.+< *+@$*-*,6' 4,-,' 1.M*+?' .0 ,-' 7,' *+?I .+< 7,' 47/ ,' /0' . 0&. ' 4.6' 8-/4<,< 4*7' M+/6' /0' 55/6**/+2' 47/' 7.< ,*7,-' 3,,+2' /-' 4,-,' 8/+0,--*+?' 4*7' 7/6,' 47/' 7.< 3,,+2' .' (.- /+

I' 1)"++#31 ,;(". ' (0' ' %8"1(.' E(./' <(%' "' +' ! ' -' 6"/' '+' ! ' 8:@%*1/' (..,#+(1/,1:,' <(%' "<' +' ! L
[' 7*5560' &,1/*-6' /0' F.-<2' #/' '*' 5' ::

/$6, 7, -,6$ *62 7. 7,= .-, . *+ #,-= 3.< 7$1/$- L + 7, 6 -,, 62L 4-* ,6 7, 6.1, .$ 7/-* =2 *4.60+/ $+5 ,.6*+?/ 6, 7, ,00,8 /0 . 7*62 47,-, 8-/4<6 /0 . -.+M6 4,-, ,N5-,66*+?/ 7,*- 6. *60.8*/+ 7. 7, &*+*6 -= 4.6 +/ /3, 87.+?,<L 4.6 . /$87G 6/+,2L 6.*< ,-8,#. /F.-<2 /0 7, 5,/5 ,06 /#, 0/- 7, *+?L

+ 7, -< /0 ,3-$.-=2 4/ <.=6 3,0/-, 7, ,?,+8= * -,8,*#,< 7, /=. 66,+2 7, -*+8, .<<-,66,< . 8/11$+*8. */+ /,-8,#. 22 *+ 47*87 7, 0/-1. = .+G +/$+8,< 7*6 <,6*?+ /0 -, .*+*+?/ 7, 5-,6,+ &*+*6 ,-6 *+ 5/4,- 7, 87.+?, *+ 7*6 /=. *?7+,6606 6,+*1,+6 4.6 .66*?+,< . 7, *1, /. .#.-*, = /0 8.$6,62 /0 47*87 7, -,.6/+ 47*87 7, -*+8, 7*16, 0 ?.#, / ,-8,#. 4/$ <-,. =6,,1 /7.#, 3,+ 7, -$ 7 , <-,.<,<2L .-, 7*6 4/-<62 ,6 .+= .8 /0 7, ,?,+ 1*?7 7.#, 7, ,00,8 /0 *+ ,-0,-*+?/ 4* 7 7, 5-/?-,66 /0 7*6 '/#,G -,*?+06 <*6/-<,-LT /-6/1, *1, 5.62 * 6,,162 7. +/ /+ = 7, Q$,,+2 3$ '*- ,+-= . 0/-<2 .6 7, *+?6 1,<*8. . ,+<.+2 7.< 3,,+ ,+<,.#/10*+?/ 8/+#*+8, 7*1 7/4 5-/3.3 , * 4.6 7. 7, <*61*66. /0 7, 5-,6,+ <1*+*6 -. */+ 1*?7 5-/<$8, .0. ,00,8 $5/+ 7, *+?06 -,.6/+2*0 +/ 7*6 *0,2.+< *+ 7. 8.6,2 7/4 ,--*3 , 4/$ <3, 7*6 -,0 ,8*/+6 / 7, ,+< /0 7*6 <.=6 A +/ 7,- .-?$1,+2 47*87 7,= 7.< . 7.+<2 .= *+ 7, 5.*+0$ 0.8 7. 7, /=. 57=6*8*.+62 *+ 7,*- ,#*<,+8, 3,0/-, 7, -*#= (/$+8* *+ 9; _2 7.< . -*3$,< 7, *+?06 *+6.+* = *+ *. =,.- / 7, ?-,. *+,+ . <*6 -,66 47*87 7, 5$3*8. */+ /0 7*6 5-*#. , , ,-6 3= 7, -*+8, 7.<

I)"++#8# , ; (".# (0 E*./ <(% "++ ! ! -) , ."1:,3# %,--,. -(2,-%",.= "-) ,.:(<*%3# .,+%7 (., +."1-,/ 6(-) "1 (./ (%:),#-,.3# "*.",#<(% ""+ ! 9 *1/ "1-), 118*% ,2"#-,.0(. + 9 1 -), %*--,. +86%":*-"(1 ,.:,<*%3# %,--,. "# *=@=*./%7 ; */, -(/*-,-%", -) "1#-,*/ (0 -),3 L-) (0 ,6.8*.7), ."1:,3# %,--,. "- #,, ;#= *# :(;+(#,/ 67),."/*1 4 ; * <(% ""+ U
- "0, (0 (; "%%7 <(% ""+ ! ?1/ /"-"(1 (#,3# "*.",#<(% ""+ U

/88.6*/+,< 7*1 *1,* *62 7. 7*6 -,1.-M.3 ,0.8 4.6 6$55-,66,< *+ 7, 5-*+ ,< 1,<*8. ,#*<,+8, 47*87 4.6 .*< $5/+ 7, .3 ,/0 7, /$6, /0 (/11/+6 3$,#,+ 7/$?7 * 1.=7.#,3,,+8/+8,. ,<0-/1 7, -*+8, . 7, *1,2 * 1$6 7.#, 3,,+ M+/4+ / 7, Q$,,+ .+< '*- ,+-= .0/-<2 47/ 4/$ < .66$-,< =+/ 7.#, 7,6* . ,< /.#.* 7,16,#,6 /0 * /+ 7,5-,6,+ /88.G 6*/+2 &=-,. /5*+*/+ *62L 4-* ,6 /-< </+2 7. /47. ,#,- 1/*#, 7, -*+8,06 0-*,+<6 /- 0/,6 1.=*+ 7,*- 8/+B,8 $-,6 .68-*3,7*6 . ,8/+<$8 2 7, 4/$ < +,#,- 0/-?*#, 7*16,0 *0 7, 6$00,-,< 7*1 /.4.M, /.68,+,*+ 47*8 * 7, 0.7,- 67/$ < 6, 7*6 6,-#.+ 6 <*68.-<,< 3=7*6 6/+L 7, 6.1, 8-,<* .3 , 1/*#,6 .-, . -*3$,< / 7, -*+8, 3=.8/+ ,15/-.-= .<= /0 47/6,*+ ,-,6 *+?(/$- -,1*+*68,+8,6 4, 7.#, /0 ,+ .#.* ,< /$-6,#,6 7, 5-*#. , 1/*#,6 /0 7, ,?,+ .-, +/2 5,-7.562 6/ 4, M+/4+ .6 7,=67/$ < 3,2 6*+8, 7,=</ 7*1 7/+/$- , 7.< .6M,< 7, 1,<*8. . ,+<.+6 /0 7*6 0.7,- 47, 7,-2 *+ 7,*- /5*+*/+2 * 4.6 5/66*3 , 0/- 7, *+?/ -,8/#,- 7*6 0.8$ *,62 .+< .?.*+ .M, 7, <*-,8 */+ /0 7, -/#,-+0 1,+ S 7,= .+64,-,< 7.2 . 7/$?7 +/ 5-/3.3 ,2 * 4.6 6 * @$* , 5/66*3 , P 7,+2 6.*< 7,2 P 4* 2 +/ -,1/#, 1=0.7,-6 / <.<#*6,-62 7, /-*,62 /1.M, -//1 0/- 1=0-*,+<62 7, F7*?62 .6 1=&*+*6 ,-6 0/-2 67/$ < 1=0.7,- -,8/#,-2 7, 4* B$6 =7*+M 7. . 1 5-,1.G $-, =.+N*/$6 /3, *+? 7, *+?06 57=6*8*.+6 '*- ,+-= .0/-< .+< - .* *,2 3/7 /0 47/1 . ,+<,< 1=0.7,-0*+ 9; 2 .66$-,< 1, /0 7, -$ 7 /0 7*6 .+,8G </ ,LT F* *+?2 7/4,#,-2 .6 4, 1.=3, /.4.-< 7, -*+8, 4 8-,<* 0/- 7*6 8/+<$8 /+ 7*6 /88.6*/+2 *

[$"V & -),:(..,#+(8/,1:,-)*-+*##,/6,-=,,1-),"""""2-),."1:,(0E*,#**"/ -), 8@,(0 (.@F(1-),#865,:- (0-), ."1:, 6,"12 ,1-.8#-,/="-)")"2) ;"-*.7 :(;;*1/"1-)(,<,1-(0*, .,1:)"1<*#"(1 & &'KK!'!!!'!!U'*1/ '*1/' 118*, ,2"#-,.'<(>< '++'L U9L L -' .' -8*.-' .:)6"#)(+'(0 .;*2)?#,,' +' ! ' x' -8*.-'

.00/-<62'+/ E#* *6 .+<*+?2' 3$' * ,' ,N8$6,' 0/-' 7*6' 6$36,G @$,+' 3.-,0.8,<' .3.+</+1,+' /0' 3*6' F 7*?' 0-*,+<6' .$<' F 7*?' 5-*+8*5 ,62' 47,+Y/4*+?' /' 3*6' 0. 7,-00' <,-.+?,G 1,+' 7.#*+?' 3,8/1,' 8/+0*-1,<' .+<' 5,-1.+,+ Y7,' 8,.6,<' .+=' /+?,-' /' 7.#,' 7,' 5-, ,N' /0' 3,*+?' .8$. ,<' 3=' 0**.' <,0,-,+8, .+<' .00,8*/+

' N3 ' ' * ' T 9 ' "

C' E ; ' ' 6 ' "0-'

C),' H8,,1' :*11(-' .,0.*"1' .,-8.1"12' -)*1@#' -(' -),' (./')*1:,%%(.' 0(.' -),' +%,*#"12' *::(81-' =%"':)')"#' 1(-,' :(1<,7,/' -('),.' (0')"#' *5,#-73#' ";+.(<,;,1-' #"1:,' ."/*7' %*#-' *1/' #),' 0,,%#')*++7' -(' */!/' -)*-' -),' *::(81-' -)"#' ;(.1"12' .,:,"<,/' 0.(;' .' *"%%",' :(1-"18,#-(' "1:.,*#,' (8.')(+,#-"%%'#-.(12,.' 0(.' *' :(;+%,-,' .,:(<,.7'),' H8,,1')*/' *' <"#"-' 0.(;' -),' ."1:,' (0' E*%,#'#((1' *0-,.' -),' (./')*1:,%%(.')*/' %,0-' E"1/#(.' ,' 6.(82%"-' *' :(+7' (0' -),' %,--,.' *//.,##,/' -(' .' ,.:,<*%' :(1-*"1"12')"#' "1-,1-"(1' (0' .,-*"1"12')"#' *5,#-73#' +.,#,1-' "1"#-,.#?' *' #-,+' S=)":)' "1/,G +,1/,1-' (0' -),' :./"-' "-' "#' -(' -),' ."1:,' 2*<,-),' ;(#-'),*.-0,%-' +%,*#8.,' -('),.#,%0'),' :*11(-'),%+' %*;,1-"12' -%"*-' 8+(1' #8:)' *' ;,%*1:)(%7' 68#"1,##4=)":)' "#' 1(=' 0"1"#),/' *1/' "1' =)":)' -),' (./')*1:,%%(.' %"*#' 2"<,1' #8:)' #-.(12' +.((0#' (0' V,*%' *1/' *00,:-"(1' 0(.')"#' (<,.,"21' *1/' :(81-.74)"#' 0,,%"12#' #)(8%/')*<,' 6,,1' +8-' -(' #8:)' #,<,.,' -""*%#?' 68-')"#' (=1' :(1#:",1:,' *1/' -),' "123#' 2((/' (+"1"(1' ;8#-' 6,')"#' :%"",0' #8++(.-' #-('),.#,%0' #),' ="%%' *%=*7#' .,;,;6,.' ="-)' 2.*-"-8/,' -),' (./')*1:,%%(.3#' *--,1-"(1' #)(=1'),.' 8+(1' -)"#' ;,%*1:)(%7' (::*#"(1' F

#' B E ! H G' 5

+' 7,' W7' /0' ,3-$.-=' 7,' /-<' (7.+8,/-' .*<' 7,' ,?,+8=' * ' 3,0/-,' 7,' *+?2' 47/' 6*?+*0*,<' 7*6' .66,+' /' * ' 4* 7' .' 1,.+87/=' 5,.6.+-=' ' 4.6' +/' 1/-,' .?-,,.3,' /' 7**+2' 7,' 6.*<2' /' 3,' $-+,<' /$' /0' /0 '8,' 7.+' * ' 4.6' /' /7,-' 5,-6/+6' ,' .<<,<2' 7/4,#,-2' 7.' 7*6' 57=6*8*.+6' **+<' 7*6' &*+*6,-6' 4,-,' . *M,' .?-,,<' *.

[' %/(1' ' (.-%7'+."1-,/'"1' =",#3*' "0('(0' %/(1'<(%'""'+' U

-,5/6,' 4.6' +,8,66.-=' 0/-' 7*12' .+<' 7.' 7,'5 .8,<'*15*8*' 8/+0*<,+8,'*+' 7,*-'B$<?1,+2

+' 7,' 0/ /4*+?' <.=' 7,' -*+8,' /0' F. ,62' 6$55/- ,<' 3=' 7*6' 6*N' 3-/ 7,-62' //M' 7,' -,@$*-,<' /. 76' .' (.- /+' /$6,' .6' ,?,+' ' 6,,162' /' 7.#,' 3,,+' 4* 7' +/'#,-=' ?//<?-.8,' 7.' 7,' 6,' .3/$' 7*6' +,4' <$*,62' *+.61$87' .6'*' 4.6' +/' * ' 7,' 7.<M,5' 7,' -*#=' (/$+8* /-6Y' +*+, =0 4/' *+' +$13,-Y 4.* *+?' 0/-' +,.- =' .+' 7/$-' .+<' .' 7.02' 7.' 7,' 1.<,' 7*6' .55,.-.+8,'*+' 7,' (/$+8*' (7.13,-' *6' 65,,87' 0-/1' 7,' 7-/+,2' 7.' <.=2' 4.6' <,*#,-,<' 3=' 8/11*66*/+' ,' 7.<' +/'*+ ,+*/+2' 7,'6.*<2' /0' ,N7*3* *+?' 7*16,0'.6'.'5.?,.+'<$-*+?' 7,'* +,66' /0'7*6'0.7,-B

+' 7,' ;7' /0' ,3-$.-=2' 7,' *+?Y0/-' 7,' 0*-6' *1,' 6*+8,' 7,' 8/11,+8,1,+' /0'7*6' * +,66Y4.6' .0*3-<,<' 7,' ?-. *0*8. */+' /0' ,13-.8*+?' 4/' /0' 7,' 5,-6/+6' 47/1' 7,' 1/6' ,+<,-=' /#,<2' 7,'Q$,,+' .+<' 7,' -*+8,66' $?$6.' .55* =2' 7,' 1,,*+?' +/' /+=' 5.66,<' /00' 4*7/$' /88.G 6*/+*+?' 7*1' .+=',N-./-<*+.-=' <*68/15/6$-,2' 3$2' /+' 7,' 72' 4,' 0*+<'*' -,**/-,<' /+' ?//<.$7/-*=' 7.' 7,' *6' .<#.+8*+?' 0.6' /' 5,-0,8' -,8/#,-=L' 0

87' .6' F+<6/-' *6' *+' *+ ,-,6*+?' /8.' .66/8*. */+62' 7,-,' *62' 5,-7.562' +/' /3B,8' 4*7*+' *6' 5-,8*+86' 47*87' .4.M,+6' 1/-,' /$87*+?' -,0,8*/+6' 7.+' .' 6*15,' 1$-.' 1/+$1,+2' 4*+87' 1.=' 7,' 6,,+' *+' 7,' 8/*6,-6' /55/6*,' /' 7,' /=.' /13' /$6,2/+' 47*87' ,/-?,' 7,' 7*-<7.6' -,8/-<,<7*6' ?-.*$<,'0/-' 7,' ,+<,-' 6,-#*8,6' /0'.+' .00,8G */+.,' 0,1.,' .' ,+<.+2' 47/' +/' /+=' ,+<,-=' 4.87,<' /#,-' 7*6' 3,/#,<' <.$?7,-2' 7,' -*+8,66' 1,*.2' <$-*+?' E 7,-' .6' *H+,662' 3$' 47/' *6' 6.*<' /' 7.#,' 6/' <,,5=' .M,+' /' 7,.-' 7,' 6$00,-*+?6' .+<' <,.7' /0' 7,-' .1*.3,' 1*6-,662' 7.' 67,' 67/-=' .0,-4.-<6' 0/ /4,<7,-' /' 7,' ?-.#,' 7,' *+68-*5*/+' *6' 6.*<' /' 7.#,' 3,,+' 8/15/6,<3=' 7,

I',(./' (%:),#-,.3#' "*.",#'<(%'""'+'! ' (#,3#' "*.",#'<(%'""'+'U ' 6"/'<(%'""'++'! ' ! ' "')"++#3#' ,;(".#(0'E*./'<(%'"'+'L !

.00 *8 ,< 1 /+.-8 * 7*16, 0 = 7, *+?06 8/ 1 1 .+<62 7, 3/<= /0 & .-= .68/*+ 4 .6 *+ ,--,< .6 +, .- .6 5/66*3 , / 7, /=. " .$ 2 *$ 47*87 .= 7, -, 1 .*+6 /0 7*6 . 1 ,+ ,< <.$?7 ,-

g &) /+/ 1
*8#, / -(6, "1-, . . , / 1, *.) "# +%*: ,
) , (/ 7 (0 . % / - D% K &0
, .<*1- (-) , %*-, ."1: , ## ; , %"*?
1 /) "# *6%,-
(6, , . , :-, / "1 ,#-" ; (17 (0) "# 2. *-, 08%
,1#,
0 -) , 0*"-)08% #, .<": , *1 / *--(:) ; :1-
0 *1 * ; "*6%, 7(812 =(; *1 -( ) "# 6, %(<, /
*82)-, .
E) (; #) , #8.<"<, / (1%7 -%8, , ; (1-)#
) , / ", / -) , -) (0 ,6.8*.7
2, / ! 7, *.#

(%)

) , " 123# : (1-"18, / ' / , . *12, ; , 1-' 4 ' , --, .# 0. (; ' -) , ' 8@, ' (0' (. @' (1' -) , ' #865, : - 4 ' "# %*#-' *++, *. *1: , ' "1' +86%": ' 4 ' %, *#8. , ' -*@, 1' 67') " ; ' "1' *00 (. / "12' 2. *-"0": *-" (1' -((-) , . # 4 ' 1, : / (-, # (0') " ; ' / 8. "12' %""# "1#*1"-7' 4 ' 8++ (. -, / ' 67' . , %"2" (1' 4 ' (1/8: -' (0' H8, , 1') *. %(--, ' / 8. "12' -) , ' +, ." (/ ' (0') , . ') 8#6*1/3# +. (#-. *-" (1 4 3 , . ' / , *-) 4 ' , *-) ' (0' -) , ' "12' 4 ' "# 081, . *%

! ' ' 1 / + 76' 0-/ 1' 7*6' *1, ' 7, ' *+?06' 7, . 7' -, 1 . *+, <' *+' . ' 0 $8 $. *+?' 6 . , I 7*6' 6=15 / 16' 6/ 1, *1, 6' -. *6*+?' 7, ' 7/5, 6' / 0' I 7, ' 57=6*8*. +62' . +<' ? . <<, +*+?' 7, ' 7, . - 6' / 0' 7/6, ' 47/' /#, <' . +<' #, +, -. , <' 7*12' . +<' . ' / 7, -' *1, 6' / 88. 6*/+*+?' 7*6' 0. 1* =' 7, ' <, , 5, 6 ' <, 5-, 66*/+' . +<' . . -1 ' , ' 4. 6' 6/' 1$87' 3, , -2' 7/4, #, -2' 3=' 7, ' 1*<< , ' / 0' 5-* 2' 7. ' 7, ' 0/ / 4*+?' 1 / + 7' 4. 6' +. 1, <' . 6' 7, ' 5-/3. 3 , ' 5, -*/<' / 0' 7*6' -, 6$1*+?' 7, ' -/=. ' 0$+8G */+62 ' 5-, 5. -. / -=' /' 47*87' , #, + 2' 7, ' M, =6' / 0' 7, ' 5-*#. , ' 8. 3*+, ' 47*87' 8/ + . *+, <' 7*6' 5. 5, -6' 4, -, ' -, $-+, <' /' 7*12' 4* 7' 7, ' *+ *1 . */+' 7. ' ' *-' , -3, - ' . = / -' 4. 6' -, . <=' /' -, G 6$1, ' 7*6' <$ *, 6' . 6' -*#. , ' ', 8-, . -=2' 47, +, #, -' 7*6' & . B, 6 =' 1*?7 ' 7*+M' 5-/5, -' /' 8/ 1 1 . +<' 7*6' 6, -#*8, 6 ' H+7. B*5* =2' *+' 7, ' 5-, 6, + ' 0, , 3 , ' 8/+<* */+' / 0' 7*6' +, -#/$6' 6=6 , 12' 7, y' , N. 1*+. */+' D/ 0' 7*6' 5. 5, -6' 5-/#, <' 1$87' / /' , N8* *+?' . +' /88$5. */+' ' & , ' / -<' (. 1<, +2L' V 4-* , 6' 7, ' ' 5, . M, -' / +' 7, ' K 7' / 0' 5-* 2' 47/' / <' 1, ' 7, ' *+?' 7. <' +/ ' 3, , +' 6/' 4, ' 0/ -' 7, ' . 6 ' 4 / ' / -' 7*E, , ' <. =62' / 4*+?2' * ' 4. 6' 8/+8, *#, <2

[' 8: @"12) * ; ' *+, .# / 8. "12' -) , ' , 2, 1: 7 ' <(% ' " ' + ' L - ' ()19 : 00. , 7#' 0". #-' *. A8"# * ; /, 1' #8: :, , /, /') "# "%%8#-. "(8# 0*-) , . ' "1' -) , ' *. %/ (; ' "1' +. "% ' U' *1/' / ", / ' "1' :-(6, . ' U

/' 6/ 1 ,' .?* . */+' 0-/ 1' 7 ,' -,8,*5 ' /0' 7,' M,=6' /0' 7*6' 5-*#. ,' <-. 4 ,-62' 47*87' 7.< 3, ,+' -,0<, *#,-,<' /' 7*1 L' ' ,' 7.< +/ ' /+ =' 5-,6,-#,< Y .62' 5-,#*/$6 =' /' 7*6' * +,662' 7,' / < ,-8,#. Y ,#,-=' 5/7 *8. ' 5.B ,-' 7. ' 7.< 8/ 1,' *+ /' 7*6' 5/66,66*/+' 6*+8,' 7,' 8/ 1 1,+8, 1,+' /0' 7*6' -,*?12' 7$ ' 7,' 7.< 6/' 0.-' .--.+?,< 7, 12' 7. ' 7,' 8/$ < .=' 7*6' 7.+<6' $5/+' .+=' </8$1,+' 47*87' 7,' 7.< -,8,*#,< 6*+8,' &-' * 06' 0*-6 ' .88,66*/+' /' 7,' -, 1*,-67*52' .+< 4.6' 7,+' 7.-< . ' 4/-M' *+' .--.+?*+?' 7,' -, 1 .*+<,-

' 03% ' ' O % ' * ' "

<' $,' E ! ' . ! '' #' F E1H ' _E1 ' 2 ' #h'

C),' <"#"-' -(')"# *5,#-7' 7,#-,. /*7' *0-,.1((1' =,1-' (00' 8+(1' -),' =)(%,' 6,--,.' -)*1' ' :(8%/')*<,' <,1-8. ,/' -(' 0%*--,.' ; 7#,%0' 0.(;' =)*-')*/' +*##,/' /8."12' -),' =*%@' "1' -),' ; (.1"12' "# *5,#-7' . ,:,"<,/' 6*:@' -),' @,7#' 0.(;' -),' H8,,1' ="-)' ;8:)' ,%09:(; ;*8/' 68-' =),1'),.' *5,#-7' -(%/')" ;' -)*-' (%(1,% *7%(.' =(8%/' 6,' .,*/7' -(' *--,1/')"# (./,.# =),1,<,.'),' :)(#,' -(' #,1/' 0(.')" ;' '),' *++,*.,/' ;8:)' (<,.:(; ,' ,')(=,<,.' #((1' .,:(<,.,/')" ;#,%0' *1/' 6,2*1' "1' .*-),.' *' A8":@' *1/' %(8/' -(1,' (0' <(":,' -(' -*%@' 8+(1' -),' #865,:-' (0' -),' 1,=' "1-,1/,/' ./,.' 0-,.' *' :,.-*"1' -" ; ,'),' 6,:* ; ,' A8",-,.' *1/' -)(82)' -),' -.*1#"-"(1# 0.(;' (1,' #865,:-' -(' *1(-),.' =,.,' A8":@' *1/' #8//,1' 7,-' =,' %,0-')"# *5,#-7' :,.-*"1%7' %,## ,%*-,/' -)*1' :(8%/')*<,' 6,,1' ,>+,:-,/

C),' .,:,+-"(1' (0' (%(1,% *7%(.' ' 81/,.#-*1/' =*#<,"7+.(+,.' ="-)' 2.,*-' @"1/1,## 68-' :(;+(#8.,' ,' /"# ;"##,/')" ;' *-' -),' ,1/' (0')*%0' *1')(8.' *1/' -),1' 6,2*1' -(' 81%(:@' *1/' .8 ; ;*2,' *%%')"# +*+,.# *1/' 6(>,# "1' *' 9)8.",/' ;*11,.' -"%% ., ;"1/,/' -)*-' "-' =*# -" ; ,' 0(.')" ;' -(' 2(' -(' 6,/' =)":)'),' /"/' <,.7' A8",-%7' 68-' /"/' 1(-' 2(' -(' #%,,+' " ; ; ,/"*-,%7' *# 8#8*%' ,')*/' (1%7' -=(')(8.# *1/' K*')*0' #%,,+' *-' -).,' #,+*.*-,' -" ; ,#' *1/' 2(-' 8+' #((1' *0-,.' 0"<,' (3:%(:@' =),1'),' 6,2*1' " ; ; ,/"*-,%7' *2*"1' -(' #,*.:)' * ; (12')"# +*+,.#

C 1,' :".:8 ;#-*1:,' ' ;8#-' ., ;*.@ -(' 7(8.' (./#)"+' *1/' %,*<,' 7(8' -(' ; *@,' 7(8.' (=1' :(; ,1-# 8+(1' "-' 1' -),' ; (.1"12')"# *5,#-7' ,>+.,##,/' -(' -),' 8@,' (0' 0,1-' *1/' ; 7#,%0')"# /,-,. ;"1*G -"(1' -(' 6,2"1' 7,#-,./*7' ,<,1"12' #(' #((1' *#),')*/' 2(-')"# @,7# 6*:@' *2*"1' -),' ,>* ;"1*-"(1' (0')"# +*+,.# ="-)')"# #,.<*1-' 7(812

[' (./' (%:),#-,.B# "*.",#' <(%' "<' +' ! L

(--?I' *1/') ,')*/' +. ,<"(8#%7' -(%/' -) ,' 8@,' (0' ,1-' -)*-') ,' =*#
. ,#(%<, /' 1(-' -(' -.8#-' (%(1,% *7%(.' ="-)')"# +."<*-,' +*+, .#')"#
:". :8 ; #-*1: ,' =,' ; ,1-"(1, /' -(' -) ,' +)7#":"*1#' 1' -) ,' ,<, 1"12'
) ,' -8.1, /' -(' ; ,' *1/' #*"/' -)*-') ,' #)(8%/' /, %*7' ,>* ; "1"12')"#
+*+, .# -"%% 1, >-' 8, #/*7' =) ,1') ,' #)(8%/' ; *@,' 7(812' (--' /('
"-' 68-' 81/, .' ' (0' (%(1,% *7%(.' ' 81/, .#-*1/') (=G
, <, .' 0.(;' ".' ,1.7' *%0(./' -)*-')"# *5, #-7' =*# , ; +%(7, /' -) ,'
=)(%,' (0' -) ,' ,*.%7' +*.-' (0' -) ,' ; (.1"12' ="-)' 7(812' !(--' "1'
.8 ; ; *2"12')"# +*+, .#' -)(82)') ,')*/' (./, ., /')" ;' 7, #-, ./*7' -(' 2('
-(' -(=1' -)"# ; (.1"12

C' (9/*7' *-' , %, <, 1' (3:%(:@' ' *--, 1/, /' -) ,' H8, , 1' *1/' ; 7' #"#-, .'
*.7' /8."12' -) ," .' <"#"-' -(' -) ,' "12' *1/' * ;' #(..7' -(' #*7' -)*-'
=,' *R 0(81/')" ;' -)(82)' ; "%/' "1')"# ; *11, .' 7, -')8.. ", /' "1')"#
"/, *#? :)*12"12' <, .7' *6.8+-%7')"# #865, :-#' *1/' 08%% (0' +.(5, :-#
*6(8-' :)*12, #' "1' -) ,')(8#, #' *..*12, ; , 1-# 0(.' E, 7 ; (8-)' *1/'
+%*1#' *6(8-' 6"# #-*6%, #' "1:, ' =)":)' -) ,' 8@,' (0' * ; 6."/2,'
=*%@, /' *%(1, ' ="-)')" ;' =), 1' ' * ;' 2.", <, /' -(' *///) ,' #-*-, #
-) ,' ; (1<, .#*-"(1' -(')*<,' 6, , 1' 67' 1(' ; , *1# : (; 0(.-*6%, ')(82%"
; "%/' *1/' %, ## 68.1, /' _"1')"# ; *11, .' (0' , >+. , ##"12')" ; #, %0')"#
*5, #-7' ., :819, /' ; (., ' -)*1' (1:, ' -(' 8# /, %8#"(1# 6(-)' *6(8-'
*/7' , ; 6.(@,' *1/' 8-), .*1"# ;
C' (8.' (./#)"+')*# 1(=' *# 6.", 0%7' *# ' :*1' 2"<, ' 7(8' *' 0*"-)08%
: (81-' (0' =)-')*# +*##, /' #"1:, ' ' #*=' 7(8' 7, #-, ., /*7' ? *1/' 8+(1'
=)":)' ' #)*%% ; *@,' 1(' : (; ; , 1-#' *# ' * ;' #8., ' -)*-' 7(8.' #, 1-"G
; , 1-# *1/' 0, , %"12# ; 8#-' 08%%7' *2., ' ="-)' ; "1,

C ' * ;' , <, . ' ; 7' /, *.' (./

C (8.# ; (#-' #"1:, ., %7

' . !' BE6HH !G (0

1' -), ' ; "//%,' (0' *7' -), ' "12' "# /, #:. "6, /' *# 6, "12'
; *-, ."%%7' =(.#,' 6(-)' "1' 6(/7' *1/' ; "1/' "-' 6, "12' #-"%%
1' 810<(8.*6%,' 0, *-8., ' (0')"# /"#(./, ' -)*-')"# -)(82)-#
:(1-"18, /' 0(' 6.((/' (<, ' -), ' ; , 1-*% /, .*12, ; , 1-# (0'
0(. ; , ' -" ; , #' -' =*# "1' -)"# ; (.6"/' :(1/"-"(1' (0' ; "1/'
-)*-'), ' *++%", /')" ; #, %0-(' -), ' ; (8.108%-*#@ (0' ; *@"12' *
#, %, :-"(1' 0.(;' -), ' =(.@# (0')"# 0*<(8."-, ' :(; +(#, . ' *1/, %

I' ()1' (--' *2, ' "1' E*"-"12' (0' -), ' *:@' -*".#' -(' =%5":)' +(#-'), ')*/' 6, , 1'
+.(; (-, /' 0.(;' -), ' CA" ; %"-7' D' (0' *2, ' (0' -%", ' , /:)* ; 6, .' 67' E*..*1-' 0.(;' -), '
(./')* ; 6, .%*"13#' 00":, ' (0' -), ' -)' *18*.7' ' 0' %/(1' ' ."2"1*%B

/0 6$87 5.66.?,6 .6 4,-,<,68-*5 *#,, * 7,- /0 1.<+,66 /-
3 *+<+,66 47*87 6, ,8 */+ 4.6 . 7*6 ,N5*C,66 <,6*-,8/1G
1$+*8. ,< 7-/$?7 7, $M, /0 (.13-*<?,5,-0/-1,<
. 7, (/+8,.C /0 +8*,+ &$6*8 1/+? 7, 5.66.?,6
6, ,8 ,< 3= 7, *+?4,-, . -,5-,6,+ . */+ /0 1.<G
+,66 8.$6,< 3= /#,* +7, 5,-. /0 P '.16/+2C.+< 7,
.1,+ . */+ /0 A,57 7.7 . 7, /66 /0 7*6 <.$?7 ,- 7,
5,-0/-1.+8, *6 <,68-*3,< .6 7.#*+? 3,,+ 6*+?$.- = *1G
5-,66*#, .+< .00,8 *+? I 1/-, ,65,8*. = 47,+ 7, 6 -*M*+?
$5 /0 P -/< 6.#, 7, *+?C -,8. ,< / 7, 1*+<6 /0
7, .$<*,+8, 7, 6/--/46 .+< 6$00,-*+?6 /0 7, 6 -*8M,+
1/+.-87

4.6 /4.-<6 7, ,+< /0 7*6 1/+ 7 7. 7, *+7.G
3* .+ 6 /0 F*+<6/-0/- 7, .6 *1,3,7, < .1/+?6 7,1
7, 0.1* *.- M*+? = 0/-1 4* 7 47*87 0-/1 7,*- ,.- *,6
=,.-6 +,.- = /+, .+< . /0 7,1 7.< 3,,+ .8@$.*+ ,<
$1/$-6L 4-* ,6 /+, /0 7,1 47/ 7.55* = 6 * 6$-G
#*#,6 4,+ 0/- 7 7. 7, *+?4.6 3, ,- +' $+<.=
+*?7 7, 7 /00 &.=0 /$- /4+ JF*+<6/-V 4.6 *+ .
0,#,- /0 ,N8* ,1,+ . 7, .$ 7/-*6,< -,5/- 7. 7, +,N
<.= 7, 57=6*8*.+6 4/$ < . /4 7*6 &.B,6 = / .55,.- *+
5$3 *8 + 7. & /+<.= 1/-+*+? * 4.6 6.*< 7. 7*6
6.<< ,07/-6, 4.6 / 3, ?/ -,.<= 7*6 -$ = 4.6 +/
4* < -$1/$- F, 8-/4<,< / 7, .-M .+< 7, (.6 ,
).-< 7, 0.#/$-* , 7/-6, 4.6 7,-, 7, #,+,-.3 ,
1.+2 3 *+< 3$ 6 ,.<=2 4.6 6//+ *+ 7, 6.<< ,2 .6 7.<
/0 ,+ 6,,+ 7*1 Y. 7/33=0?-//1 . 7*6 6*<, 4* 7 . ,.<G
+?0-,+ , -/<, 7-/$?7 7, * , .-M / 7, -,.
.-M 7, 3, 6 -.+? 7, -//56 0*-,< .e]6& = "
7, *+?- , $-+,< / 7[(.6 , 4* 7*+ .+ 7/$- ,
4.6 +,#,- .?.*+ 6,,+ 4* 7/$ 7/6, 4. 6L0

),1,>- *::(81- =)":) =, /'#:(<,. (0-), "123# #-*-,
"# "1 -), 0(%%(="12 08.-),. %,--,. 0.(;-), 8@, (0 (.@

I , ;(".# (0 (.1,. <("" "+
-M *##*2,#(0* E(.@"12 "0,367)*.%,# 1"2)-<("" ++

1/ 0.(; =)- 81/, .#-*1/ "- "# "1-,1/, / -(: *%% *I ; , ,-"12 (0
)"# *5,#-73# (81:"% -(9 ; (..(#< ; (0+"129), ., "1 -(=1 *- =)":)
*%% -), +)7#":"*1# ,>:,+- . 81/* " *., #8 ; ; (1,:5 -(*--,1/
"1 (./, . -(: (; , -(#(; , /, :"#<,9/,-, . ; "1*-"(1
C * ; ,<, . ; 7 /, *. (./
C (8.# ; (#- #'1:, ., %7

1 / 1%&K 22) / 8 (

 4* 3, 6, ,+2 3= 3, 0/ /4*+? ,N -.8 6 0-/ 1 4/
, ,-62 <. ,< 7, 6.1, <.= .6 7, $M, /0) /-M06 , ,- /
7, (7.+8, /-2 7. 7, *+?2 .00*8 ,< .6 7, 4.62 6 *
//M . 5 , .6$-, *+ .00/-<*+? ?-. *0*8. */+ / / 7,-62

* 3 UA E (9 @ E
4 %

^@ & /0" C ; 9 !F

C "# *5,#-7)(1(8., / ; , =")-)"# :(; ; *1/# %*#- 1"2)-
-(*##8., 7(8)(= ; 8:) , "# +%, *#, / ="-) 7(8. *--,1-"(1 "1 -),
, *.%7 :(; ; 81":*-"(1 (0 "1-, %%"2,1:, 6(-) "1-, ., #-"12 *1/ +%, *# ; 2
1/ -((6#, .<, -)- 7(8. /"%"2,1:, "1 -)"# ., #+, :- ., ; "1/#)" ;
(0 -)*- =3)":))*/ 6, ,1 #)(=1 67 (1, (0 7(8. +., /, :, ##(.# .
.#/,1 =)(#, :(1/8:- =# *- *%% -" ; ,# #(#*-"#0*:-(.7 -( )"#
*5,#-7 D

/ / / ; " ,

C@ & /0 ; 9 !F

C)*<, 6, ,1)(1(8., / =")-) -), "123# :(; ; *1/# -(
-.*1# ; "- 0(. 7(8. "10(. ; *-"(1 -), *: :(; +*17)"2 ,>-.*:- (0 *
%, --, . =)":) */ /"9, ##, / -)"# ; (.1"12 67)"# *5,#-73# (./, . -(
. .(@, . -), "12 6, "12 /, #".(8# -)*- 7(8 #)(8%/ @1(= -)*-),
/(, # 1(- 0("2, -), *--, 1-"(1 =)":) *# 6, ,1 #)(=1 -( )" ; 67 *
V, *%(8# ; , ."-(."(8# *1/ *--*:), / #, .<*1- (0 =)(;)"# *5,#-7
(0-,1 #+, *@# "1 -, . ; # (0 2., *- ., 2*./ D

R1)*++'%7 /8."12 -), ; (1-) (0 8%7 -), "123# 6(/'%7
), *%-) 1(- (1%7 2., = =(.#, 68- 1, = /, %8#"(1# -((@

I %/ (1), 2., *-, . +*.- (0 -)"# %, --, ."# +."1-, / "1 ="*#3# "0, (0 (./
%/ (1 <(% ") ++ U9L
- . .(@, . =*# *- -)"# -" ; ; ". #- , :., -*.7 (0 -), / ; ".*%-7 . *.#/, 1 -(
=)(; ". *7%(.3#9#, :(1/ %, --, ."# */ /., ##, /)*/ :, *#, / -( ) (%/ -), *++("1- ; , 1-
(0 , :(1/ , :., -*.7 #"1:, U
  ; (" (0 E"%%"* ; *.#/, 1 67)" ; #, %0 ++ U 9B +."<*-, %7 +."1-, /
<(8 . 5

5/66,66*/*'/0' 7*6' 1*+<2' ' '*62' '3,*,#,2'8,-.*+='-$,2L'
4-* ,6' /-<' 0-,+#* ,' /' /-<' $8M.+<' /+' 7,' ; 72'
'7.'7,' *+?'7.6'.M,+'0/-'7,'.6'7-,,'<.=6'68.-8,='
.+='0//<.'.2.+<'7.2'$+,66'.'87.+?,'.M,6'5.8,'#,-='
67/-='*+'7.'-,65,82'7,'8.++/'6$-#*#,'1.+='<.=6L'
,#,-7,,662'<$-*+?'7,'+,N'0/-+*?7'7,'*+?06'3/<*='
7,.7'.55,.-6'/'7.#,'?-,.='*15-/#,<' '7,'*+?2'
67/$<6$55/6,2L'4-*,6'/-<'$8M*+?7.167*-,'/+'7,'9 7'
/0' $?$62'*6'+/'*M,='/'<*,'6//+23$''0,.-'7*6'1,+.'
-,8/#,-='*6'7.-<='/'7,',N5,8,<LT' ?.*+2' /-<'
$M,,='4-*,6'/'/-<'$8M.+<'/+'7,'0/ /4*+?'<.=2'
7.27/$?7'7,' *+?06'3/<='1.=' .6'.'?-,.'47*,2L'
=,',#,+'7,' /=.' .1*='3,?*+' /'<,65.*-'0/-'7*6'
-,.6/+A

+'7,'1/+7'/0' 8/3,-2'7,'5-/65,86'/0'7,' *+?06'
-,8/#,-='3,8.1,'?//1*,-'7.+',#,-' '7,' ,5/-'/0'7,'
57=6*8*.+62L'4-*,6'/-<' -,+#* ,'/+'7,'; 72''*6'4/-<,<'
.6'0// *67='.6',#,-[3$'*'8.+',.#,'+/'?-/$+</0'7/5,'*+'
7,'1*+</0'.+='-,.6/+.3,'1.+L[' +'7,'W72'4,'0*+<'
7,'$M,'/0' ,+'.<1* *+?'/'&-'F' '-,1.+ ,'7.2'
<$-*+?'7,'.6'0/-+*?72'+/'/+='7.<'7,' *+?06'1,+.'
1..<='3,,+'1/-,'#*/ ,+'7.+'*'7.<',#,-'5-,#*/$6='
3,,+2'3$'7.'6/'*'<*<' -'A/7+'F*'*6'7*+M'/0'7,'
+?06'87.+8,6'/0'.1,+<1,+2'7.'7,'7.<'?#,+'$5'
0$-7,-'.,+<.+8,'.'F*+<6/-fB' '.62'*+'7,'1/+7'/0'
' 0A.+$.-=2'9;92'7,'5-*+ ,<,#*<,+8,'/0'7,'-/=.'57=6*8*.+62'
.6'.M,+'3,0/-,'7,'6,#,-.'(/11* ,,6'/0'7,' /$6,6'/0'
AB/-<6'.+<'(/11/+62'8/$<7.#,' ,0'#,-='* ,'</$3'/+'
7,'1*+</0'7,'5$3*8'7.'7,'*+ ,8 6'/0'7,'#,+,-.3,'
1/+.-87'4,-,'*--,-*,#.3='.+<'5,-1.+,+='8*56,<E'
+'7,21/+7'/0' 5-*'0/ /4*+?' /-<' </+'1/$-+0$ =

[' 8:@%*1/' (..,#+(1/,1:,'<(%'"<'+'! ' -' 6"/''<(%'"<'+'!
-' 6"/''<(%'"<'+'!
Z' 6"/''<(%'"<'+'! !' ,,'*%#(' *.%"*;,1-*.7' ,6*-,#'<(%B>>"':(%' 'c:'
' 8:@"12)*;' *+,.# 81/,.'-%"(' ,2,1:7'<(%'"'+' !!
' *.%"*;,1-*.7' ,6*-,#'<(%'>>"':(%' !9

,N5-,66,6 7*6 8/+#*8 */+ /0 7, $,- *15-/3.3* * =L /0 7*6 -/=. 1.6 ,- ,#,- -,8/#,-*+? 7*6 -,.6/+
7, ,*?7 5.*+0$ 0 -,1.*+*+? =,.-6 /0 7, ,N*6 ,+8, /0 -,/-?, 7, 7*-< 1.= 3, 6.*< /7.#, 3,,+ 5.66,<2 4* 7 -.-, *+ ,-#. 62 *+ 1,+. .+< #*6$. <.-M+,66 7. <*61. 5,-*/< 4.6 65,+ 4* 7*+ 7, 4. 6 /0 F*+<6/- (.6 ,2 47,-, 7, *+? /88$5*,< . .-?, .+< 8/+#,+*,+ 6$* , /0 .BE.- 1,+ 6 /+ 7, ?-/$+< 0//- 0-/+ *+? 7, /- 7 ,--.8,I +/ *15/66*3 = 7, 6.1, -//16Y //M*+? /4.-<6 7, 0.*- (/ ,?, /0 /+LY47*87 '*- 7/1.6 ,-3,-2 7, 0.* 70$. ,+<.+ /0 (7.-,6 7, *-62 *+0/-16 $6 7. 7*6 -/=. 1.6 ,- ,+.+ ,< <$-*+? 7*6 3-*,0 .+< 1/$-+0$ 6/B/$-+ . F*+<6/-2 /+ 7*6 4.= 0-/1 (.-*60 3-//M, (.6 , / 7, 68.0*3 < 0
0 4, ,N8,5 7, 5.*+0$ 87.-.8 ,- /0 ,/-?, 7, 7*-<0 <*6/-<,-2 7, 7.+< /0 ,.#,+ 4/$ < 6,,1 / 7.#, 3,,+ .*< ?,+ = .+< 1,-8*0$ = $5/+ 7*1 *6 3/<* = 7,. 7 /+? 8/+ *+$,< / 3, ?//<2 .+< 7/$?7 7*6 1*+<2 .6 -,?.-<,< 7, 5-,6,+ 2 4.62 ?,+,-. = 65,.M*+?2 . 3 .+M2 7*6 1,1/-= *6 6.*< / 7.#, 3,,+ 6*+?$.- = -, ,+ *#, /0 7, ,#,5 6 /0 7, 5.6 2 47*872 /-<*+.-* =2 7, 4.6 .3 , / -,8. 4* 7/$ 7,*- /88.6*/+*+? 7*1 $+,.6*+,66 /- <*6 -,66 .55* =-, *?*/+ 8/+ *+$,< / .00/-< 7*1 8/+6/ . */+2 .+< 7,7/5,6 /0 . 3-*?7 , ,-+* = / * $1*+, 7*6 <.-M+,66 &.<.1, C -3 .=2 47/ 5-/3.3 = -,8,*#,< 7,- *+0/-1.G */+ 0-/1 7, Q$,,+ .+< -*+8,66,62 /0 47/1 67, 6.4 1$87 *+ 7, 65-*+? /0 9;9 2 *+0/-16 $6 7. 6/ 0.- 4.6 7, 3, /#,< *+? L 0-/1 3,*+? .00*8 ,< 3= .+= *1.?*+.-= 1,+ . <*6 -,662 7. 7, 3,7,#,< 7*16, 0 / 3, 8/+6 .+ = 8/+#,-6*+? 4* 7 .+?, 6 A '*N 1/+ 76 .0 ,-4.-<62 *+ 8 /3,-2 9;9 2 4, 0*+< 7*1 <,68-*3,< .6

="##3# "0, (0 %/(1 <(% "" +
- %,.6,.0# , ; (".# (0 -), %*#- -=(7,*.# (0 -), ..,"21 (0)*.%,# U! UU U !./ /"-"(1 1 (./,13# $",= (0 E"1/#(. *#-%, "1 -), ..,"21 (0 *;,# B" ; (! U N -), +*.- (0 -), *#-%, "1/":*-,/ *# -), C ."<7, (/2"12#D :%,*.%7 "1:%8/,# -), *+*.-;,1-# *0-,.=*./# (::8+",/ 67 ,(.2, -), ")./),.,"# *0*:G #"; "%, (0 (./,13# C $",=D "1 "2)(*1/ *<"#B# M 11*%# (0 E"1/#(.3 L # "*.7 *1/ ,--,.# <(% <"" +

.1$6*+? 7*16,0 04*7 5 .=*+? 7,0$,I .6/-<,-*+? 7*6 /4+ <*++,-I .+< .6 3,*+? . /4,< /-,8,*#,0-,@$,+ #*6* 60-/1 7,Q$,,+ *+ 7,5-,6,+8,/0 7,-/=. 57=6*G 8*.+62 88/-<*+? /. -,+87 8/+ ,15/-.-= <,68-*5 */+ /0 7,3,-,.#,< .+< .$?$6 / < 1.+LY 3*+<2 .+< 4,.-*+? . /+? 0/4*+? 3,.-<LY.+/7,-1$6*8. *+6 -$G 1,+ $5/+ 47*87 7,6/.8,< 7*16,0 3= 5,-0/-1*+?2 .+< 47*87 7,5 .=,< 0-/1 1,1/-= 4*7 6$-5-*6*+? 5-,8*6*/+2L 4.6 7,#*/ *+ 7,3$,*+ 47*87 4.6 ,NG 7*3* ,< . ' A.1,66 .8,/+ 7,K7 /0 /#,13,-2 9;9 2*+ *1. ,6 7. 7*6 65*-* 6 .-,?,+,-. = *+ .8/1G 0/-.3,6 . ,2L .+< .+/7,-3$,*+2 <. ,< 7,_7 /0 ,8,13,-2 7. 7,7 7.6 5.66,< 7,.6 1/+7 *+ -.+G @$* * = .+< 8/10/- LT ,#,-7,,662 7,-,.55,.- /7.#,3,,+ /88.6*/+6 47,+ 7,.4/M, /. M,,+ 6,+6, m/0 7,?-,. .0*<*8*/+6 47*87 7.< 3,0. ,+ 7*1 +,6$11,- 1/-+*+?Y 47,+ 5-/3.3=2 /$6*<,7*6 .5.-G 1,+2 . 4.6 6$+67*+,.+< 87,,-0$+,660EY 7, -*+8,/0 F.,62 7.55,+*+? /5.= 7*1 .#*6*2 0/$+< 7*1 3* ,-=2 .1,+ *+? 7*6 37+<+,66 .$6*+? /8.87 7*6 0.7,-06 4/-<62 7, -*+8,/#,-7,.-< 7*1 -,5,.*+?2 4*7 5.7,*8 6/ ,1+* =2 7,1/$-+0$ *+,6 47*87 &* /+ 7.6 5.8,<*+ 7,1/$7 /0 '.16/+ ?/+*6 ,6Y

C '/*.@'/*.@'/*.@' ;"/'-),'6%*V,'(0'1((1
..,:(<,.*6%7/*.@' (-*%,:%"+#,'
E"-)(8-*%%)(+,'(0'/*7`
K '0".#-,.,:-,/' ,*;'*1/')(8'2.,*-E(./
M ,-)-),.,'6,'%"2)-*1/'%"2)-*=*# (<,.'*%%3
E)7**;' '-)8#6,.,*<,/')7'+.";',/,:.,'fD

)"# ;(8.108% #:,1,' "# #*"/-( )*<,' #(*00,:-,/-),' ."1:,'*#-(:(;+,%)";'-( )8..70.(;'-),'*+*.-;,1-"1'* +*.(>7#;9(0-,*.#

8."12-),'-).,,'0".#-7,*.# (0-),' "123#,:%8#"(1'0.(;' -),'=(.%/'*%-)(82)'-),'+.(#+,:-# (0 "# ,<,.',:(<,."12)"# .,*#(1=,.,'C0,=*1/0*.'6,-=,,1D7,-'-),7=,.,'1(-*%-(2,-),.'/,#+,.*-,' 1'9;9_20(."1#-*1:,4*-'-),'"1-,9

I'M ";,#30(.' (<,;6,.' ' !?:(;;81":*-,/'*++*.,1-%7'67'*8-)(."-7
-' 6"/'0(.' (<,;6,.' '*1/' ,:,;6,.' !

-,6 *+?5,-*/<47,+5,.8,4*7 -.+8,*+<$8,<7,. *,<
6/#,-,*?+6 /0 $-/5, /#*6* +? .+<Y 7,7/5,6 /0 7,
/=. .1* =.-,6.*< /7.#,3,,+-.*6,< /.6.+?$*+,
5*873=7, *+?06<*6/-<,-.M*+?6/0.#/$-.3,. $-+.6
/,+.3,7*1 /*6,+ /2.+<8/15-,7,+<2.-, .*/+/0
7,5-*+8*5.5/**8.,#,+6471*87*7.<.M,+5.8,<$-*+?
7*6**+,66 7,+**4.6 7.20/-7,0*-6*1,27,1$6
7.#,7,.-</0 7,<*6.6-/$61.-87/0 7,"",+87/&/68/4
/0 7,<,8*6*#,3. ,/0 ,*56*8/0 7,*3,-.*/+/0 ,--..+=
0-/12 7,=-.++=/0 .5/ ,/+/0 7,/88$5.*/+/0 .-*6
3=7, *,62.+</0 7,-,6/-.*/+/0 7, /$-3/+6/
7,7-/+,/0 -.+8,7,0.8/0 .+/#,-7.#*+?3,,+
-,8/#,-,</ 7,(-/4+/0 -,.-*.*+2*6 6.*</7.#,
.00/-<,<7*1 5.-*8$.-?-.*0*8.*/+
4.6<$-*+?/+,/0 7,6,*+ ,-#.6/0 8/+68*/$6+,662*+
9;9_2 7. 7,Q$,,+*6 6.*</7.#,3,,+.88*<,+.=.
4*+,66/.1/6/$87*+?68,+, .#*+?3,,+.55-*6,<
7.7,-#,+,-.3,8/+6/-4.6*+.#,-=-.+@$*.+<8/+G
#,-6*3,1//<267,//M7,/55/-$+*=/05.=*+?.#*6*
/7*6.5.-1,+2/+,+,-*+?47*87*67,0/$+<7*16,.,<
.7,7.-56*87/-<26*+?*+?.7=1+/7*6/4+.88/1BB.+*0
1,+ H+7.55*=27/4,#,-27,7.-1/+=.4/M,.66/8*.G
*/+647*878/15,,=/#,-5/4,-,<7*64,.M,+,<+,-#,6
,.6/+2*+<,,<27.<-,/88$5*,<7,-7-/+,0/-.0,40,,*+?
6,8/+<62 3$**4.6/+=/.-/$6,7*1/.+.?/+*>*+?
6,+6,/07*6-$,.+< ,--*3,8/+<**/+ .*+?$5/+
7*6M+,,6*+7.*+,-#.2E7,0,-#,+=.+<5.7,G
*8.=/00,-,<$57*65-.=,-60/-7*6Q$,,+27*687*<-,+2
.+<7*655,/5,(/+8$<*+?4*7.+,157.*866$55*8.*/+
7.,*7,-7,1*?7 3,<,*#,-,<0*C/17*65-,6,+7,.#=
8..1*=2/-,6,7.7,1*?73,.88/-<,<6-,+?7/
6$31**4*75.*,+8,.+<-,6*?+.*/+/7,*#*+,F*
7*655.7,*868,+,4.68/6,<3=7*63$-6*+?*+/,-62
.+<7,+-,.56*+?*+/7*60/-1,-3,+*?7,<6.,

7,' 6 ,+<,-' 7/5,6' 47*87' 7.< 3,,+' ,+ ,- .*+,< /0' 7,' *+?06' -,8/#,-=' *+' 9;9_2 5-/#,< .6' ,#.+,68,+' .6' 6*1* .-' -.=6' /0' 7/5,' 7.< 5-/#,< /+' 0/-1,-' /88.6*/+6' +6 ,.< /0' ?-/4*+?' 3, ,-' 7,' ?-,4' 4/-6,' .* $-,' /0'7,.-*+?' 4.6' .<<,< /' 7*6' / 7,-' .* *8*/+6' 7$6' 3/4,< </4+' 3=' =,.-6E .+<' .00*8 ,< 4* 7' <,.0+,662' 4* 7' /66' /0' 6*?7' .+<' -,.6/+2 * ' 4/$ < 3,' <*00*8$ ' /' 8/+8,*#,' .' 1/-,' .00,8 *+?' 65,8 .8 ,2 /-' /+,' 1/-,' 6$??,6 *#,' /0' 7,' *+6 .3* * =' /0'7$1.+' ?*C,. +,662' 7.+' 7.' /0' 7,' 8-/4+ ,66' 1/+.-87' .6' 7,' .55,.-,< *+' 7*6' <-,.-=' .+< 6 . , =' 6/ *G $<,' .3* ,< *+' .' <-,66*+?0?/4+' /0' #*/ ,08/ /$-,< #, #, Y 7,' 6 .-' /0' 7,' -<,-' /0' 7,' .- ,-' .00*N,< /' 7*6' 3-,.6 2 .+<' 7,' .65,8' /0' 7*6' 6*?7 ,66' ,=,6' -,+G <,-,< </$3 =' .00,8 *+?' 0-/1' 7,' *+ ,-,6' .4.M,+,< 3=' 7*6' /+?' 7.*-' .+<3,.-< /0' 6* #,-=' 47* ,+,66Y 7,' 3,-,.#,< 1/+.-87' 4.6' /' 3,' 6,,+' 5.8*+?' 7*6' 65.8*/$6' .5.- +*,+ 6' /' .+<' 0-/I 6/1,*1,6' 6 /55*+?' /' .88/15.+=' 7*16,0' 4* 7' 7*6' #/*8,' /+' /+,' /0' 7,' 7.-56*87/-<62 /0' 47*87' 7,-,' 4.6' /+,' *+' ,.87' .5.- 1,+2 .+<' .' / 7,-' *1,6' <*68/+G *+$*+?' 7*6' 4. M' /' 7/ < 8/+#,-6. */+6' 4* 7' 7,' #*6*/+.-=' 0/-16' /0'<,5.- ,< ' . ,61,+'.+<' /-<6' /0' 7,' ,<87.13,-' F7,+' *+' /+,' /0' 7,6,' 8/+#,-6*3 ,' 1//<62 7,' 4.6' *+' 7,' 7.3*' /0' -, . *+?' .+,8</ ,6' /0' 7*16,0' .+<' /0' 7*6' -,*?+I /88.6*/+. =' *+ ,-65,-6*+?' 7,1' 4* 7' 6M,87,6' /0' 7,' 87.G -.8 ,-6' /0' /+,' /-' 1/-,' /0' 7,' 1.+=' -,1.-M.3 ,' 1,+' 4* 7' 47/12 <$-*+?' 7*6' /+?' ,N*6 ,+8,2 7,' 7.< 5,-6/+. =' 3,,+' 3-/$?7' *+ /' 8/+ .8 ' @$.- ,-' /0' .' 8,+ $-=' 7.< 5.66,< .4.=' 6*+8,' 7,' <,. 7' /0' A/7+' .-' /0' '.+<4*872 =,' 7,' *+?2 *+' 65,.M*+?' /0' 7*6' 0/-1,-' &*+*6 ,-2 4.6' 6 * ' /#,-7,.-< <,6*?+. *+?' 7*1' 3=' 7,' .- 06' /+8,' 0.1* *.-' +*8M+.1,' /0' 'A<11=' 4* 87,-L ' +' 6$87' /88.6*/+6' .6' 7,6,2 7,' 61* ,+' 1/+.-87' 4/$ < 6,,1' /' 7.#,' 3,,+' . ' 87,,-0$ +,66' .+<' .00.3* * =

' ' <(%' "' wv+' 9 ' (./' 11/=":%" /",/' +."%! ' ' *-' -),' *2,' (0' #-$\' ""B<90(8.

+,' -, 1 .-M.3 ,' 0, . 1,' *+' 7,' *+?05 <*6/-<,-' 4.6' 7,' 0.8' 7. ' 7,' +,#,-' 0/-?/ ' 7. ' 7,' 4.6' *+?' /0' +? .+<' 7/$?7' 7*6' 1.++,-' /' 7*6' . ,+<.+ 6' 4.6' *+#.-*.3 =' . ' M*+<+,66' .+<' 8/+<,68,+6*/+2' *' 4.6' ,#*<,+' 7. ' 7,' ,N5,8 ,<' 0-/ 1' 7, 1' . ' 7,' -,65,8' .+<' <,0,-,+8,' /' 47*87' 7,' 7.<' 3, ,+' .88$6 /1,<' *+' 0/-1,-' <.=6

0' 7,' 7,. *+?' *+0 $,+8,' 47*87' -, *?*/+' 6 * ' ,N,-8*6,<' /#,-' 7,' 1*+<' /0' 7,' .00 *8 ,<' 1/+.-872' 4,' 7.#,' .+' *+G ,-,6 *+?' .88/$+' 0-/ 1' 7,' 5,+' /0' 7,' 6.1,' .88/ 15 *67,<' .<=' /' 47/1' 4,' 7.#,' #,-=' -,8,+ =' -,0,--,<' ' ' 4.6' 1$87' 6 -$8M' 4* 7' 7,' ,00,8' /0' 7.3* 6' /0' 5*, =2' 0-/ 1' .+' *+6 .+8,' ?*#,+' 3=' /+,' /0' 7,' 1,<*8. ' . ,+<.+ 6' /0' ,/-?,' 7,' 7*-<' ' '*-' .#*<' $+<.62' 47/2' . ' 7. ' *1,2' 4.6' +/ ' 5.- *8$.- =' 7.55=' *+' 7*6' /4+' -, *?*/$6' 0,, *+?62' 6.*<' 7. ' 47,+' *--* . */+' .3/$' 7,' *+?' 8/11,+8,<' *+' 7,' ,#,+*+?2' .+<' 47*87' 67/4,<' * 6, 0' 3=' *+8,66.+' . M*+?2' .' 3.<' +*?7' 4.6' .+ *8*5. ,<2' .+<' *' 4.6' 7,+' 8$6 /1.-=' /' /-<,-2' -. 7,-' ,.- *,-' 7.+' 6. 2' 7. ' 7*6' 87.*-' 67/$ <' 3,' *0 ,<' .6' 7,' 6*?+. ' 0/-' 7*6' -, 1/#. ' *+ /' 7*6' 3,<0-//1' I 7*6' <,.0+,66' .+<' 3 *+<+,66' 1.M*+?' .+=' / 7,-' 1/<,' /0' 8/*+0' 1$+*8. *+?' 4* 7' 7*1' . 1/6' *15/66*3 ,' F7,+' -, 1/#,<2' 7,' 4/$ <' /00,-' $5' 7*6' 5-.=,-62' .0 ,-' 47*87' * ' 4.6' 7*6' 8$6 /1' +,#,-' /' 65,.M' * ' 7,' 7.<' .?.*+' 1.<,' 7*6' 6$55 *G 8. */+6' *+' 7,' 1/-+*+?' $' 47,+' 7,' *--* . */+' 4.6' 6/' #*/ ,+' 7. ' 7,' 8/$ <' +/ ' 5.8*0=' 7*16, 02' 7,' 4/$ <' 8-.1' 7*6' 5/8M, 07.+<M,-87*,0' *+ /' 7*6' 1/$ 72' * ' * ' 4.6' 3* ,+' 7-/$?7' .+<' 7-/$?7' ,' 7,+' ?,+,-. =' 0, ' .6 ,,5' *M,' .+' *+0.+ ' F7,+,#,-' *' 4.6' -,5/- ,<' *+' 7,' 3$, *+6' 7. ' 7*6' &.B,6 =' 7.<' 5.66,<' .' <*6 $-3,<' +*?7 2' 7,' 1,.+*+?' 4.6' 7. ' 7,' .?* . */+' 8/$ <' +/ ' 3,' 6$3<$,<' ' 7$6' <*<' 7.3* 6' /0' 5*, =' 4* 76 .+<' .+<' ,15,-' *+6.+* =' †L' 0

/ ' /+ =' <*<-, *?*/+' 7$6' 8.6' * 6' 3,+*?+.+ ' -.=6' /#,-' 7,' ? //1' /0' 1,+ . ' <.-M+,662' 3$' 7,-' 4,-' 1/1,+ 6' /0' 5*/$6

I' 0' ":%"; (1/' 8..,7' ,"5,*1-9 8.28(1' -(' -),' "12' "." *<"/' =*# :.,*-,/' *' *.(1,-' *7' ' L' *1/' /",/' *18*.7' ' 90 -8*.-'

,+ 7$6*.61 47,+ 7, *1.?*+,< 7*6 .5/ 7,/6*6 7.< .M,+ 5 .8, .+< 7. 7,07.< 3,8/1, 7,3 *660$ <,+*>,+ /0 . 3-*?7 ,- .+< . 3, ,- 4/-< 0 .+= 7*+?L 4-/ , 7a -*+8,66 *>.3, 7 / . .<= 47/ 7.< 3,,+ 7,-*+6 -$8 -,66 8.+ 1.M, $6 1/-, ,.6= $+<,- 7, 8. .1* = 47*87* * 7.6 5 ,.6,< ,.#,+ / *+0 *8 /+ $6 * * *6 7, .55.-,+ 7.55*G +,66 7. 1= -,#,-,<0. 7,- 6,,16 /0,,M ,8/+6*<,-6 7*16, 0+/ /+?,- .+ *+7.3* .+ /0 7*6 4/-< I .+< /0 ,+ 47,+ 7, 7.6 5 .=,< /+, /0 7*6 0.#/$-* , $+,6 /36,-#,6 7. 7, 4.6 #,-= 0/+< /0 * 47,+ 7, 4.6 *$ 7, 4/-< , 65,.M6 /0 7, Q$,,+ .+< . 7*6 0.1* = .+< 7/5,6 7,= .-, </*+? 4, +/4 0/- 7, /#,< 7,1 #,-= 1$87 47,+ 7, 4.6 D4* 7 7,1 L

-/1 7, .00*8,< 1/+.-87 , $6 -,#,- 0/- .3-*,0 47* , / 7*6 <,#/ ,< .+< #,+,-.3 , 8/+6/- 47/ .6 7, ?$.-<*.+ /0 7, *+?06 5,-6/+ .+< .6 7, <*65,+6,- /0 7, ,+#*,<5. -/+.?, /0 7, -/=. 7/$6,7/ <7.< 3,8/1, *+#,6 ,< 4* 7 .+ *15/- .+8, 47*87 67, 7.< +,#,- 8/#, ,< .+< 1$87 ,66 8/$- ,< F * 7 7, 8/+68*/$6+,66 ,#,- 5-,6,+ / 7,- 1*+< /0 7,- 7$63.+<06 <,5 /-.3 , 8/+<*0 */+ .+< 04* 7 / 7,- </1,6*8 6/--/46 / <*6 -,66 7,-I 8/+6 -.*+,< 1/-,/#,- .?.*+6 7,- 4* / ,N87.+?, . *0, /0 8/15.-. *#, ,.6, .+< 6,8 $6*/+ 0/- /+, /0 5$3 *8* = 7.-.66 .+< -,65/+6*3* * = I Q$,,+ (7.- / , +,#,- 7, ,66 <$-*+? 7, 8 /6*+? 6,.6/+ /0 7,- ,N*6 ,+8, 5 .=,< 7,- 5.- .+< 3/-, 7,- -/$3 ,6 4* 7 6*+?$.- ?-.8, .+< ,@$.+*1* = .55* = 0/- 7,- 67, 4.6 +/ 0 /+ = 87,,-,< 3= 7. 6.1, -, *?*/$6 7/5, .+< 8/+0*<,+8, 47*87 6$5G 5/- ,< 7,-3,+*?7 ,< 8/+6/- 3$ 67, . 6/ 5/66,66,< 4* 7*+ 7,-6, 0 -,0*+,< .6 ,6 .+< *+ , ,8 $. -,6/$-8,6 47*87 -,+<,-,< 7,- *+<,5,+<,+ . *M, /0 7, 0 ,-= /0 8/$- *,-6 .+< /0 7, 0-*55,-*,6 .+< 5-/0* ,66 .1$6,1,+ 6 /0 7, 4/-< ', </1 67, /+8, /36,-#,< 7.< 67, 5.66,< . <.= /+ 47*87 *1, 7.< 7$+?7,.#= /+ 7,- 7.+<6 7,-, 4,-, 0,4

5,-6/+62' * ' *6' 6.*<2' /0' 7/6,' 47/1' 67,' .<1* ,<' /' ,-16' /0' *+ *1.8=2' 3$ ' ,+#*,<' 7,-' 7,-' ,#,+' ,15,-' .+<' 5 .8*<' <*65/6* */+ '

+' ,#,-=' -,65,82' 3,' 8/+<$8' /0' Q$,,+' (7.- / ,2' <$-G *+?' 7,' ,?,+8=' /0' 7,-' 6/+2' 6,,16' /' 7.#,' 3,,+' 7*?7 =' 8/11,+<.3 ,' -M6/1,' /' 7,-2' .' 7,-' .<#.+8,<' *1,' /0' *0,2' .6' 1$6' 7.#,' 3,,+' 7,' 5.-.<,2' 7,'3$6 ,2' .+<' 7,' 5.?,.+ -=' /0' .' (/$-2' 67,' +,#,-7, ,66' 8/+6 -.*+,<' 7,-6, 0' /' 1*+? ,2' .6' 7,-, /0/-,2' *+' 7,' ?-,.' .+<' ?.=' 4/- <l' 5,-0/-1*+?' 7,-' <$*,6' 4*7' 3,8/1*+?' 87,,-0$+,66' .+<' ,N.8*$<,' 4.-,' /0' 7,' 7+,' /0' 8/+<$8' 47*87' 7,-' 3, /#,<' 8/+6/-2' 7.<' 7*6' -,.6/+' 3,,+' 65.-,<2' 4/$<' 7.#,' ,N5,8 ,<' 0-/1' 7,-2' 67,' ?-. *0*,<' 7*6' 6$3B,86' 3=' 1.M*+?' 7,-' .55,.-.+8,' .1/+?' 7,1'l' 3=' *<,+*0=*+?' 7,-6, 0' 4*7' 7,*-' 5.6*1,6' .+<' .1$6,1,+62' .+<' 3=' 7,' ,+8/$-.?,G 1,+' 47*87' 7,-' 0-,@$,+' 7/65*.**,6' .00/-<,<' /' -.<,' .+<' 7/1,' 1.+0.8-,6' ,-' -.4*+?' //16' .' ' ' A.1,6062' 7,-' ,+,-.*+1,+6' .' F*+<6/-' (.6 ,2' .+<' 7,-' -$-.' 0w,6' .' -/?1/-,26,,1' /' 7.#,' 3,,+' +/' ,66' 0-,@$,+' 7.+' *+' 0/-1,-' <.=6' H+5..3 ,' .6' 4,-,' .-?,' 8-/4<6' /' 7,'#,+,-.3 ,' Q$,,+2' .+<' ,65,8*.=' $+e' 4,8/1,' /' 7,-' .6' 1$6' 7.#,' 3,,+' .' -.8,08/$-6,2' 4,' +,#,-7, ,66' 0*+<' 7,-2' *+' 0* 2' 47,+' *+' 7,-' 6,#,+=0 7*-<' =,.-2' . ,+<*+?' 68/' .8,6' 4*7' 7-,,' /0' 7,-' <.$?7 ,-6' .+<' 7,-' +*,82' 7,' -*+8,66' '/57*.' /0' /$8,6 ,-' ?.*+2' 7,' 0/ /4*+?' =,.-2' 4,' 0*+<' 7,-' 4*++*+?' 7,' 7,.-6' /0' 7,' /+' 3/=6' 3=' . ,+<*+?' 7,*-' *1,07/+/$-,<' &/+ ,12' .+<2' 7,' +,N' <.=2' ,+ ,-.*+*+?' 7,1' 4*7' .' 0w,' *+' 7,+' ?.-<,+6' .' -/?1/-,

7,' 1/6' *+ ,-,6*+?' .+<' ?-.57*8' 5/--.*' 47*87' 4,' 5/66,66' /0' Q$,,+' (7.- / ,2' .6' 67,' .55,.-,<*+' 7,-' /<.?,2' *6' 0-/1' 7,' 5,+' /0' .+' 1,-*8.+'6 .,61.+2' &-' *87.*C<' $67Y &*+*6,-' ,+*5/ ,+*.-=' 0-/1' 7,' H+* ,<' ' .,62' *+' 9;9;Y47/2' /+' 7,' W7' /0' ,3-$.-=' *+' 7.' =,.-2' 4.6' .<1* ,<' /' .+' .$<*,+8,' 4*7' 7,' Q$,,+' .' $8M*+?7.1

/$6,2 0/-' 7,' 5$-5/6,' /0'<, *#,-*+?' $5' 7*6' , ,-' /0' 8-,G <,+8,' +',+ ,-*+?' 7,-' .5.- 1,+ 2' $67,-,<' 3=' 7,' &.6 ,-' /0' 7,' (,-,1/+*,62' 7,' 0/$+<' 7,' Q$,,+' 6 .+<*+?' *1 1,G <*. , =' *+' 0-/+' /0' 7*1' 4* 7' 4/' /0' 7,' -*+8,66,62' 7,-' <.$?7 ,-62' /+,' /+' ,.87' 6*<,' /0'7,-' ,.-' 7,1' 4,-,' 7,' .<*,6' *+' F.* *+?2' .+<' *+' .+/ 7,-' 5.-' /0' 7,' -//1' 4.6' 7,' /+ =' / 7,-' 5,-6/+' 5-,6,+ 2' 7,' /-<' (7.13,- .*+' ' 4,-,' *+' 0$ ' (/$-' <-,66,6' 0 ,-' 7,' 8$6 /1.-=' 4/-<6' /0' -,65,8' .+<' M*+<' 4*67,6' 7.<' 3,,+' 65/M,+' 3=' 7,' &*+*6 ,-2' 7,' 5 .8,<' 7*6' , ,-' *+' 7,' Q$,,+06' 7.+<6' ' 6' 67,' //M' * 2L' 7,' 4-* ,62' '67,' 6.*<' 7.' 7,' 6,+ *1,+ 6' ' ,N5-,66,<' 4,-,' #,-=' /3 *?*+?2' .+<' ,+ ,-,<' *+ /' 8/+#,-G 6.*/+' ,.-+*+?' ' 4.6' 0-/1' 7* .<, 57*.2' 67,' .6M,<' @$,6 */+6' .3/$' * 2' .+<' / 7,-6' .3/$' 7,' H+* ,<' ' .,6' ?,+,-. =f .' 5$' *+' .' #,-=' M*+<' 65*-*' 7,' *+ ,-#*,4' .6 ,<' .3/$' 0*0 ,,+' 1*+$,6' 6' ' ,+ ,-,<' 7,' -//12L' 8/+ *+$,6' 7,' &*+*6 ,-2' '.+<' <$-*+?' 7,' 47/ ,' *+ ,-#*,42' 7,-,' 4.6' .' 3,+*?+* =' *+' 7,-' 1.++,-2' 47*872' *+' $+*/+' 4* 7' 7,-' .?,' .+<' -.+M2' 4.6' 3/ 7' . -.8 *#,' .+<' /$87*+?' 7,' /+,6' /0'7,-' #/*8,' 7.<' .' ?,+ ,+,662' 7,' -,6$' '*+' 5.-' /0' =,.-62' 3$' 0$' .6' 1$87' /0' *+ ,+<,<' 6$.#* =' /' .' 6 -.+?,-' 7,' 68,+,2' .6' *' 0*-6' 3-/M,' $5/+' 1,Y* 6' +/#, =Y* 6' @$*,' =,' *15-,66*#,' 6 . ,*+,660Y3,8.1,' . 1/6' *1 1,<*. , =2' 3=' 7,-' 1.++,-2' /+,' /0' +. $-. +,66' .+<' ,.6, L

+' 7,' 0/ /4*+?' <.=2' 7,' K 7' /0' ,3-$.-=2' 7,' Q$,,+' M,5' 3,-' 3*- 7<.=' 4* 7' 7,' 6.' 6 . ,' .' $8M*+?7.1' /$6,' ' 4.6' 7,' .6' 47*87' 67,' 4.6'<,6 *+,<' /' 8, ,G 3-. ,' / 4* 76 .+<*+?' 7,-' .?,' .+<' *+0*-1* *,62' 67,' *+6*6 ,<' /+' 5-,6*<*+?' 5,-6/+. =' .' 7,' 6.' -.4*+?' //1' 7, <' /+' 6$87' /88.6*/+6f 8$67*/+6' 7.#*+?' 3,,+' 6/' 5-,0.--.+?,<' .6' /' 65.-,' 7,-2' 47, 7,-' 6* *+?' /-' ,.+*+?2' .6' 1$87' 0. *?$,' .6' 5/66*3 ,2' <$-*+?' 7,' ,<*/$6' 8,-,1/+=0

f' M' ' ,#"/,1:,' *-' -),' (8.-' (0' 12%*1/ 367' ":)*./' 8#)' ".#-' ,.",#' ++' ' ' ' -' 118*%' ,2"#-,.' 0(.' '+'! `).(1":%,

+8,' 1/0`2 3,0/-,' 7,'?-.#,'8 /6,<+5/+' Q$,,+' (7.- / ,2 &-' $67' 4.6' .00/-<,< .+' /55/- $+* =' /0' 4* +,66*+?' 7,' #,+,-.3 ,' .<=' 5-,6*<*+?' /#,-' 7,-' 1/<,' (/$-' ' 4.6' /+' 7,' : 7' /0' 5-* Y/+' 7,'*+ ,-,6 *+?' /88.6*/+' /0' 7,' 1.-G -*.?,' /0' 7,-' ?*0 ,<' <.$?7 ,-2 7,' -*+8,66' *>.3, 72 4* 7' 7,' ,-,<* .-=' -*+8,' /0' ,66,' /13,-?' F,'?/' /' 7,' . .8,2L' 7,' 4-* ,62' '. '6,#,+' /08 /8M' .?,6' 4,-,' /+' 7,'6 .*-6' /' 8/+<$8' $6' /' 7,' -//16' 7,' 8,-,1/+=' //M' 5 .8,' *+' 7,' 7-/+,' //1' ,0/-,' 7,' 7-/+,' 4.6' .+' . .-' 8/#,-,<' 4* 7' 8-*16/+' #, #, ' '5-/0$6*/+' /0'?/ <,+' 5 . ,' 4.6' $5/+' * ' 7,B,' 4.6' .'6. #,-' /0'?-, . '6*>,2 /+' 47*87' 4.6' -,5-,6,+ ,<' 7,' /-<06 '$55,-' 7,'8/15.+=' 3,*+?' .66,13 ,<2 7,' 3-*<,?-//1' ,+ ,-,<' 4* 7' 7*6' . ,+<G .+6' 7,+' 8.1,' 7a' Q$,,+2 4* 7' 7,' 3-*<,' .+<' /=.' .1* =' '.55-/.87,<' 7,' . .-' ,-' &.B,6 =' 6. I' 7,' -,6' 6//<' 7,' 1.--*.?,06,-#*8,' 4.6' -,.<' 3=' 7,' -873*67/5' /0' (.+ ,-3$-=' 7,' $M,' /0')/-M' ?.#,' 7,' 3-*<,' .4.=' 7,'47/ ,' 4.6' .88/-<*+?' /' 7,'0/-16' /0' 7,' (7$-872 .+<' 5,-0/-1,<' 4* 7' ?-,.' 6/ ,1+* =' ' -,8/-<' /0' 7,' 1.--*.?,' 4.6' 1.<,' F7,+' .' 4.6' 0*+*67,<2 7,' 3-*<,' M+, ' 3,0/-,' 7,' Q$,,+' /' -,8,*#,' 7,-' 3 ,66*+?' '//+' .0 ,-' 7,' 6,-#*8,' 4.6' 5,-0/-1,<2 7,' 3-*<,' .+< 3-*<,?-//1'6,' /00 0/-' F*+<6/-' 7,'8/15.+=' -,1.*+,<' 7,' ,#,+*+?' 5.66,<' *+' 7*?7' 8,-,1/+=' "* 7/$' ,N8 $<*+?' 6/8*.' ,.6,' -/1' 7,' 1,13,-6' /0' 7,' /=.' .1* =' 7,' ?$,6 6' 7.<' ,#,-=' 1,.6$-,' /0' 8/$- ,6=' 7,' 8/+<$8' /0' 7,' Q$,,+' 4.6' -,1.-M.3 ,' 7*6' #,+,-.3 ,' 5,-6/+.?, Y' 7,' 7,.<' /0' .' .-?,' 0.1* =2 7,-' 87* <-,+' 7,+' 8 $6 ,-*+?' .3/$' 7,-Y 7,' 0,1. ,' 7,.<' /0' .' ?-,. ' ,15*-, Y*+' 7,' 6,#,+ =06*N 7' =,.-' /0' 7,-' .?,2E' 4,+' 7,' -/$+<6' /0' 7,' 8/15.+=2 65,.M*+?' /' . ' 7,-,' 4.6' .' M*+< *+,66' *+' 7,-' 1.++,-' 0-/1' 47*87' *1,' 7.<' 6 -$8M' .4.=' $6, ,66' 0/-16' /' /+,'<*< 67,' /1* ' -/$+<' 7,-' +,8M' 7$+?' .' 1*+*. $-,0

)"#" "#" v' #%"2)-' ,..(.' H8,,1')*.%(--,')*/' 1(-' 7,-' ,1-,.,/'"1-(') ,.' #,<,1-7' 0(8.-)' 7,*.

5/- -.* /0 7, *+?2 , 4.6 .36,+2 68. 7,< 3= 7, 7.+< /0 , .#,+ I . 1 .--*.?,?/*+?/+*+/+,/0 7*6 5. .8,62 7, 7, /+, =2 6$00,-*+? ,+.+ /0 .+/ 7,- $ 7,5/- -.* 4.6 . /M,+ 6$5,-*/- /. (-/4+ 3,65/M, 7, +. $-. ? /-= /0 4*0, .+< 1/7,-2 ,8 *BX6*+? 7, .- *0*8*. ? /-= /0 Q$,,+ /- 1/-, 7.+ 0*0 = =,.-6 7*6 -/=. 5.*- 7.< *#,< /?, 7,- *+ .00,8 */+ 7, 68,+, 4/$ < 7.#, 3,,+ /+, /0 *+ ,-,6 .+=47,-, &.= * +/ 3, +/ *8,< /+ . 7*C/+, SL

7, Q$,,+ 6$-#*#,< 7, 1.--*.?, /0 7,- <.$?7 ,- * , 1/-, 7.+ 6,#,+ 1/+ 76 0 ,- . /+? .+< 5.*+0$ * +,662 67, 3-,. 7,< 7,- .6 2*+ 7, 5. .8, /0 ,42 /+ 7, 9: 7 /0 /#,13,-2 9;9;2 *+ 7, 6,#,+ =00*0 7 =,.- /0 7,- .?, F 7* , *+ 7, .8 /0 61* *+? /+ 7,- 87* <-,+ 47/ 6$-G -/$+<,< 7,- ,.6= 87.*-2 .+< 47* , 5-,66*+? 7, 7.+< /0 7, -*+8, ,?,+ 47*87 67, 7, < 4* 7*+ 7,- /4+2 67, ,N5*-,< 4* 7/$. 6 -$?? , /- ,#,+ . 6*?7 7 7, /66 /0 7, Q$,,+2L 4-* ,6 '*- ,-3,- . = /-2 47/ 4.6 5-,6,+ . 7,- <,5.- $-,2 4* *+<,,< 3, <,,5 = 0, 3= 7, 47/ , +. */+2 47*87 8.++/ 0.* /' </'B$6 *8, /' 7,- &.B,6 =0 #*- $/$6 8/+<$8 <$-*+? 6/ /+? . 5,-*/< 5.66,< $+<,- 1.+*0/ < -*. 6 $ * 4* 3, 1/-, 5.- *8$.- = 0, 3= 7/6, 47/6, *1 1,<*. , *+ ,-8/$-6, 4* 7 7,- &.B,6 =2 .+< 8 /6, . ,+<G .+8,2 ,+.3 ,< 7,1 /' .55-,8*. , * , 0$, N ,+ /0 7/6, *+#. $.3 , @$. * *,6 47*87 <*< +/ 1, , 7, 5$3 *8 ,=, ,- 6$00,-*+?6 0/- 6/1, *1 , 5.6 7.#, 3, ,+ #,-= ?-, . 2 .+< 67, 7.6 3/-+, 7,1 4* 7 ,N,1BX .-= 5. *,+8, .+< -,6*?+. */+2 6$87 .6 . 6 -/+? 6,+6, /0 -, *?*/+ . /+, 8/$ < *+6B *-, &$87 /0 7,- *1 , 4.6 5.66,< *+ 5-.=,- L 0

+ F ,<+,6<.=2 7, +< /0 ,8,13,-2 7, -,1.*+6 /0 7, <,8,.6,< Q$,,+ 4,-, 3/-+, 0-/1 , 4 /' F*+<6/-2 47,-, 7,= 4,-, 6/ ,1+ = *+ ,--,<2 7, 6.1, +*?7 2 *+ 7, -/=. # .$ * *+ ' , /-?,06 (7.5, 7, Q$,,+2

7,' ,N8, ,+ ,N,15 .-=' Q$,,+L' 4-* ,6 7,-' / < 6,-#.+' .+< 8/15.+*/+ &.<.1,' C -7 .= ' 4.6 7*6<.='*+ ,--,< *+' 7,'#.$ ' /0 7,-' -/=.' 7$63.+<0 .+8,6 /-6 /' 1/$ <,- * *,' 7*6 6$3B,8 6 3/<* =' *+ /' <$6 3$ ' 1,+ . =' +/ ' 6/ ' 7,' 4* ' *#,'*+' 7,' 1,1/-=' /0 7/6,' 47/' M+,4' 7,-' 3,6 .+< 3,' 6,' $5 .6 .+' ,N.15 ,' ,#,+' 3=' 7/6,' 47/' /+ =' .0 ,-' <,. 7 M+/4 /-' . ' ,.6' ! / 7,-' #*- $,6' ' 7,.-< .+' .<1*-.3 ,' 6,-1/+' /+' 7,-' <,5.- $-, .+< 7,-' 87.-.8 ,- 0-/1' &-' ,5 /+'*+' ' A.1,60 (7$-87' ' 4,5' 7,' 47/ ,' *1, .6 1$87 0-/1' ?-. * $<,' .+< ,+<,-+,66 /' 7,.-'7,-' 7$6 .55-,8*. ,< .6 0-/1' ?-*,0'. ' 7,-' /66 /' 1,' .' 1/6' 7,.#=' /+, 0/-' 67,' 4.6 0.* 70$ = 1 = .+< 6/ *< =' . .87,< /' 1, .6 ' /' 7,*\L'

+' 7,' <,. 7 /0 Q$,,+' (7.- / , .- *.1,+ 8/+6*?+,< 7,' ?$.-<*.+67*5 /0 7,' *+?0 5,-6/+' /' 7*6 0.#/$-* ,' 6/+ 7,' $M,' /0)/-M 0

+' 7,' 1,.+' *1, 7,' .?,< *+?' 7.< -,1.*+,< *+' 7,' 6.1,' .00 *8 ,<6 . , .6 47,+' .6' 4l,' 5.- ,< 0-/1' 7*1' *+' 7*6 1,1/-.3 ,' 6/ * $<,' +8,' /+ = *+' 9;9: 7,' 4.6 #*6* ,< 3=

I' */*;,' B .6%*73# "*.7' *1/' ,--,.#' <(%' <"" ' +' !U '),' 0(%%(="12 #-*1V*#' *+(#-.(+)"V"12 R",' *00%":-,/' ;(1*.:)' (1'-),' (::*#"(1' (0'-),' 081,.*% (0')"# :(1#(.-' *.,'S "1-,.,#-"12' 1# %"*<"12' 6,,1' :(;+(#,/' *-' -),' -"; ,' 67' (1,' (0'-),' #-8/,1-# (0')"# 0*<(8."-,' #:)((%&4

C (1*.:)' (0 12%*1/' ' :(8%/' -)7' /*.@,1,/',7,'
",.:,' -),' -)":@' 2%((;' (0'1-,%%,:-8*% 1"2) -
(=' =(8%/' "-' <",=' -%""# #":@,1"12' %8>8.7
)"# +(;+' /8%% 2%*."12' (1'-),' *:)"12' #"2) -' '
8-' -)(8' *.-' #%"8-' 0.(;' ,*<,13# (=1' 6%,##,/' %"2)-?
(./*=1# (1,' .*7' (0'.,*#(1' (1'-)7' ;"1/
)' ' =)(' :*1' %((@' 8+(1'-)7' 0*%%,1' ;"2)-
(.' 0,,%')(=' <*"1'-),' 2%(.",# (0';*1@"1/`
"12' .,:@%,## (0'-)7' .(=1' ' -(' %"2)-' *1/' .,*#(1' 6%"1/`

C ,-' -)(8' *.-')*++7' 1'-)"1,' *2,/',*.
R1),,/,/' 0*%%# -),' /,*-)9@1,%% (0'-)7' H8,,1?
)":@' /*.@1,## /=,%%# *.(";/'-),,' 68-' 1(' -,*.'
1'-)7' /";',7,6*%%# 2%"#-,1"12',B,.' "# #,,1?
R1:(1#:"(8# *.-')(8' *# -),7' 1,3,.')*/' 6,,1
0'.,2*% -.(86%,# *1/'-),':*.,# (0' -*-,
R1;*.@,/' 6,1,*-)' -),,' +*##,/'-)"# 081,.*% #:,1,
%",' #).(8/' (0'),.'-)"1,' (=1' %(129:),."#),/';*-,?
)(8' (1%7' /"/#-' 1(-' #"2)' =),1' 12%*1/' =,+-' (0%*-,D
9' ' ' " ' 4 @ ' ; J ' ' +'

.' 0, 4' -. =6' /0' -, .6/ +2' 47*87 2' 7/ 4, #, -2' 5-/ #, <' .6' -. +6* / -=' .6' /+' 0/ -1, -' 6*1* .-' 1/ $-+0$' /88.6*/ +6' ' 4.6' 5-/ 3.3 =' . ' 7*6' *1, 2' 47, +' 7*6' 6, +6, ' /0' 7, .-*+?' *6' 6.*< /' 7.#, ' , 15/ -.-* =' *15-/ #, <2' 7. 2' 7*6' , .-' 7.55, +*+?' /' 8. 87' 7, ' 6/ $+<' /0' 0X*, ' 5.66*+?03, ' /0' F*+<6/ -' (7$-87 2' 7, ' *+@$** , <' 0/ -' 47/ 1' * ' 4.6' / *+?' 7, ' <, 8, .6, <2' 7, ' 4.6' ?*#, +' /' $+<, -6 .+<2' 4.6' .' 5, -6/ +' 47/ 1' 7, ' 7.<' M+/ 4+2' .+<' 0/ -' 47/ 6, ' 87.-.8 , -' 7, ' , + , - .*+, <' .' -, 65, 8 Y 7, ' 4*0, ' /0' /+, ' /0' 7*6' +, *?73/ $-62' .' F*+<6/ -' -.<, 61.+' ' '7, ' 4.6' .' ?//< 4/ 1.+2L' 7, ' 6.*<f ' 67, ' 3-/ $?7 ' $5' 7, -' 0.1* =' *+' 7, ' 0, .-' /0' /<' '7, ' 7.6' ?/+, ' /' , .#, +2' .+<' ' 7/ 5, ' ' 67. ' 6//+' 0/ /4' 7, - L

F* 7' 7, ' <, 5.- $-, ' /0' 7, 6, ' .6' <, 8, *0$' ? , .16' /0' -, $-+*+?' -, .6/ +2' 7, ' *+?06' 1*+<' .55, .-6' /' 7.#, ' 3, 8/ 1, ' .+' $, -' .+<' $+*15-, 66*3 , ' 3 .+M' F, 2' .+<' 5. 7, *8. =2' 1*?7 ' 7, ' 7.#, ' -, 5, . , <' 7, ' 0$- 7, -' ?-.+<' .+<' 1/ $-+0$' 7$, 6' /0' &* /+' Y

C' E"-)' -) , ' 7, *.
, *#(1# .,-8.1' 68-' 1(-' -(' ; , ' .,-8.1#
*7' (.' -) , ' #=, , -' *++. (*:)' (0' <, 1' (.' (.1
.' #"2)-' (0' <, .1*% 6%((; ' (.' #8 ; ; , .3# .(#,
.' 0%(, @#' (.') , . /#' (.')8 ; *1' 0*:, ' /"<"1, ?
8-' :%(8/' "1#-, */' *1/' , <, .9/8."12' /*.@'
81(81/# ; (? 0.(; ' -) , ' :) , , .08% =*7# (0' ; , 1'
8-' (00' *1/' 0(.' -) , ' ((@' (0' 1(=%, /2, ' 0*".
., #, 1-, /' ="-)' *' 81"<, .#*% 6%*1@'
0' *-8., 3# =(.@#' -(' ; , ' , >+812, /' *1/' .*#, / D
' * ' ((@' """

H5' /' .' 8, - .*+' *1, 2' 7, ' 3, -, .#, <' 1/ +.-87' 7.<' 3, , +' .3 , ' /' <*6 *+?$*67' 7, ' 0.1* *.-' 0// 6 , 56' /0' 7*6' . , +<.+ 62' 3$' 7, +8, 0/ - 7' , #, +' 7*6' 1/ $-+0$' 6. *60.8 */+' 4.6' <, +*, <' /' 7*1' , ' 4.6' +/' /+ =' 6*?7 , 662' 3$' 3, 8.1, ' / . =' <, .0' F* 7' 7, ' /$ 4.-<' $+*#, -6, f 4* 7' * 6' 7/ 5, 6' .+<' * 6' 8.-, 6f 4* 7' * 6' B/ =62' * 6' .65*-. */+62' .+<' * 6' . $-, 1, + 6f 7, ' 4.6' 7, +8, 0/ - 7' <, 6 *+, <' /' 7.#, ' +/' 6*+? , ' 0, , *+?' *+' 8/ 1 1/+' 4* 7' 7*6' 0, /4' 1, +' , ' 7.<' 5.66, <' 0/ -' , #, -' 0-/ 1' 7, ' ?-.+<' 7, . -, ' /0' 7, ' 4/ - <2' *+' 7, ' 1*<6' /0' 7, ' 8, -, 1/ +*, 6' .+<' 5/ 156' /0' 47*87' 7, ' 7.<' /+8, ' 3, , +' 7, ' /36, -#, <' /0' .

L & & ' ' W

/0 ,+ Y7.< ,.87 5-,8,<,< 7*1 / 7,*- .6 7/1, 0 * 7.< 3,,+ <,+*,< / 7*1 / 1*+? , 4* 7 7,?* ,-*+? +$5 *. 7-/+?2 7,7.<. 6/ 3,,+ 65.-,< 7,65,8 .8 ,/0 7, 1/$-+*+? 4,,<6 .+< 7,0$+,-. 5$1, 0 +/ +/ , /0 7, 1.--*.?,03, 7.< -,.87,< 7*6P,.-2 7,7.<. 6/ 3,,+ <,.0 / 7, -,@$*,12 7, 1$00 ,< <-$12 .+< 7, 1*+$,0 ?$+

C)7%(<,/9(1,#0,%*.(81/-),, *1)(((/B#+.";,
(8-) ="-)"-#2%(.7'"1"-#08%1,##*2,
%%**-),2*-,#(0-),".;,-,.1*%:%";,
'"*7/(=1'*1/:%(#,/-),".;(.-*%+"%2.";*2,?
"%,'%*1/=(.,'*#),#0(.'"-#+,."#),/'0%(=,.#
),'2.* ,3#";+,."*%)*.<,#-')(1B;,*1=)"%,"
"/#-=*%@'11:(1#:"(8#-).(82)'-),'.(7*%9-(=,.#' 9
),'(1,'-)*-=,+-1(-"1'-),'-,*.08%"#%,`
#*'-".,/'=*."(.'(1')"#6*--%,9+%*"1
.,*-),#/,,+"1'/.,*;#*;"/#-'-),';(8.1,.#-8"/'-),'#%*"1D' 9
4; 'E /

' 4,#,'/08/8M/+' 7,' +*?7'/0 7,' 7/0A.+$.-=2 9; 2 7,' / *+?/0 7,' ?-,.'7,'/0'.$06(.7,<-.' .++/$+8,< / 7,'*+7.3*.+6/0 /+</+' 7.' 7,'.00*8,< 1/+.-872 47/'7.<-$,</#,-' 7,1'0/-'6*N =',.-62 7.< 8,.6,< /',N*6' 7,' *+?7.<3,,+'$+4,'*+' 7,'1/+7 /0 /#,13,-2 =,2 6/ .,' .6 7,'96'/0A.+$.-=2 7,' 3$,*+'/0 7,'57=6*8*.+6 7.<3,,'0.-'0-/1'$+6.*60.8/-=' *6 &.B,6=2 *'4.6 *+*1.,<2 4.6 6$3B,8,< /' 6/1,'/0 7,'*+0*-1**,6 /0 /<.?,2 3$'7*6 3/<*='7,. 72 <$-*+? 7,'5-,8,<*+? 1/+72 7.<3,,+' ?,+,-. ='?//<' F*7 7,' +,4' =,.-2 7/4,#,-2 .' 5.*+0$'87.+?,' //M 5.8,' '?-.<$.'<,8.=' 3,?.+' /' $+<,-1***,0 7*6 #*.'5/4,-6' *6 .55,*,',+*-,='0.*,<7*1' 7,'61.'@$.+*='/0 0//<47*87 7,'4.6.3,' /' .M,'.00/-<,<7*1'+/'+/$-*67G 1,+2 '4.60/$+<.1/6'*15/66*3,' /'*+0$6,'4.-1 7 *+/'7*6 3/<='*6 6-,+? 7 ?-,4'0,,3,-'.+<0,,3,-I' 7*60-.1,'1/-,'<*<1/-,',1.8*.,< ',*'4.6+/'*'4/'<.=63,0/-,'7*6<,8,.6,2 7$-6<.=' 7,' :72 7.' 7,'57=6*8*.+6 8/+6*<,-,<7*6 *0,' /'3,'*+' *1 1*+,+'<.+?,-' +' 7,'0/ /4*+?'<.=2 -*<.=2 7,'4.6

4/-6,2 .+< . ‘ +*?7 ‘ 6/ . .-1*+?‘ 7.< 3,8/1,‘ 7*6 6=15 /16
7. ‘ 7,‘ $M,‘ /0) /-M 4.6 7$--*,< =‘ 6$1 1/+,< 0-/1‘
/+</+‘ /‘ F*+<6/-‘ ‘ ,+‘ /8 /8M /+‘ ' . $-<.=‘ 1/-+*+?‘
* ‘ 4.6 ,#*<,+‘ 7. ‘ 7*6 7/$-‘ /0 <*66/ $*/+‘ 4.6 +,.-‘ . ‘
7.+<2 .+< .88/-<*+? =‘ 7,‘ /=. ‘ .1* =‘ 4.6 r4,5.-,<
0/-‘ 7,‘ 4/-6 ‘ H+<,-‘ 7,‘ 6.1,‘ -//0 4* 7 7,‘ ,N5*-*+?‘
1/+.-87 4,-,‘ 7*6 <.$?7 ,-6 7,‘ -*+8,66,6 $?$6 .‘ .+<
'/57*.2 .+< 7,‘ $87,66 /0 /$8,6 ,-‘ +‘ 7,‘ 6.1,‘
.5.- 1,+‘ 4* 7 7*12 3,6*<,6 7,‘ 6.‘ . ,+<.+ 62 4,-,‘
7,‘ $M,‘ /0) /-M2 /-<6 F*+87, 6,.‘ .+< ,+ ,=2 '*-‘
,-3,-‘ .= /-2 .+< . ‘ 7,‘ 57=6*8*.+6‘ .55* =2 7/$?7
7, -/!0.‘ 5. *,+‘ ?-,4‘ 4,.M,-‘ .q< 4,.M,-‘ .6 7,‘ <.=‘
.<#.+8,<2 7,‘ 4.6 .55.-,+ =‘ ,N,15‘ 0-/1‘ ,#,5 7,‘
6*?7 ,6‘ 6$00,-*+?‘ .55* =2 //2 +/‘ -.=‘ /0 -, $-+*+?‘
-,.6/+‘ *+<*8. ,< /‘ 7*1‘ 7,‘ 87.-.8 ,-‘ /0 7,‘ .55. *+?‘
-*3$. */+‘ 3=‘ 47*87 7,‘ 7.< 3,,+‘ #*6* ,<‘ *6 <,. 7
//M 5 .8,‘ 4* 7/$‘ .‘ 6 -$?? ,‘ . $-,‘ 7.#*+?‘ 3=0 <,?-,,6
3,8/1,‘ 8/15 , ,=‘ ,N7.$6 ,<2 .‘ 7*- =00*#,‘ 1*+$,6 V .6‘
,*?7‘ /8 /8M2 /+‘ 7,‘ ,#,+*+?‘ /0 7,‘ 7 /0 A.+$.-=2 7,‘
#,+,-.3 ,‘ 1/+.-87 8,.6,< /‘ 3-,. 7,‘ ‘ 7,‘ *1,‘ /0 7*6
<,8,.6,2 ,/-?, 7,‘ 7*-< 7.< . .*+,<0 7,‘ .?,‘ /0 ,*?7 =0
/+,‘ =,.-6 .+< +,.- =‘ ,*?7‘ 1/+ 76

(=,<,.‘ 810 "%"*% ;*7)*<,‘ 6,,1 -),‘ :(1/8:- (0 -),‘
."1:,‘ ,2, -‘-(=*. /#)"# 0*-),.‘"1)"# %"0,9-" ;,‘),‘ *-%,*#-
+*"/)""1 -),‘ -."68-,‘ (0 %* ;,1-"12)" ; =),1 /,*/‘ "‘
E"%%"* ;‘ 1"2)-(1 =)(=*# "1 *–,1/*1:,‘ 8+(1 -),‘ 1,=
"12 (1 -),‘ 1"2)-‘-)*-),‘ .,:,"<,/ -),‘ *11(81:,;,1- (0
-),‘ /,;"#,‘ (0 -),‘ .(=1 /,#:."6,/ -),‘ C68.#- (0 2.",0D
-(=)":)‘),‘ 2*<,B<,1- *# 6,"12 <,.7 *00,:-"120
8."12 -),‘ "123#%(12 ,#-.*12,;,1-0.(;‘ -),‘ =(.%/‘),‘
)*/1,<,.‘ 6,,1 0(.2(--,1 67)"# #865,:-#‘ K),".‘ #7;+*-)",#
*1/ +.*7,.#)*/ 6,,1 ="-)‘)";‘ "1)"# %"<"12 -(;6‘ *1/

I .‘)*.%,# 1"2)-‘)*# +("1-,/ (8- ‘ ‘ ‘ ‘ ‘ <(%‘ "‘ +‘ 9 N
-)*-‘ (0 -),‘ %(12 %"1,‘ (0 "12# =)( )*<,‘ .8%,/ (<,.‘ 12%*1/‘ ,(.2,‘ -% ;‘)".‘ /=*# -%",‘
0".#-‘ =)(/",/ "1 9$"1/#(.‘ *#-%,
-‘ ,‘;("."# (0 ".‘ E"%%"* ;‘ 1"2)-(1‘ <(%‘ "‘ +‘ !
$ ‘ H

47,+ 7, ,N5*-,< 7,= 1/$-+,< 7*1 .6 .0. 7,- 0 + 7, 9 7 /0 &.-872 7*6 <.$?7 ,-2 7, -*+8,66 *>.3, 72 4-* ,6 / /-< '*<1/$ 7 0-/1 .0/-,*?+ .+<Y &= .</-,< 0. 7,-06 <,. 72 .+< 7, 0*+<*+? 7*1 6/ #. $,<2 -,65,8 ,<2 1/$-+,<2 .+< -,?-, ,<2 7.6 ?/+, 1/6 <,,5 = /1=7,.- /-7*16,02 <,.- .+?, 7, 87.+?, 4.6 $+</$3 ,< = .3 ,66,< /+, , *6 +/4 .5,.8, .+< ,+B/=*+? 7, B$6 -,4.-< /0 7*6 5*/$62 #*- $/$62 .+< 4, 0 65,+ *0, + .=*+? </4+ 7*6 ,.- 7 = 8-/4+2 7, 7.6 -,8,*#,< 7*6 8, ,6 *. /+,2 47*87 8.+ +,#,-3, /6 /7*1 + 7, 7,.- 6 /0 7*6 87* <-,+ .+< 7*6 6$3B,8 6 7, 4* ,#,- *#, f .+< 1.= /< *+ 7*6 1,-8= ?-.+ 7. 7, #*- $,6 /0 3/ 701= ,N8, ,+ 5.-,+ 6 1.=3, /$- 6.0,?$.-< .+< ,N.15 ,6 7-/$?7 *0, TL

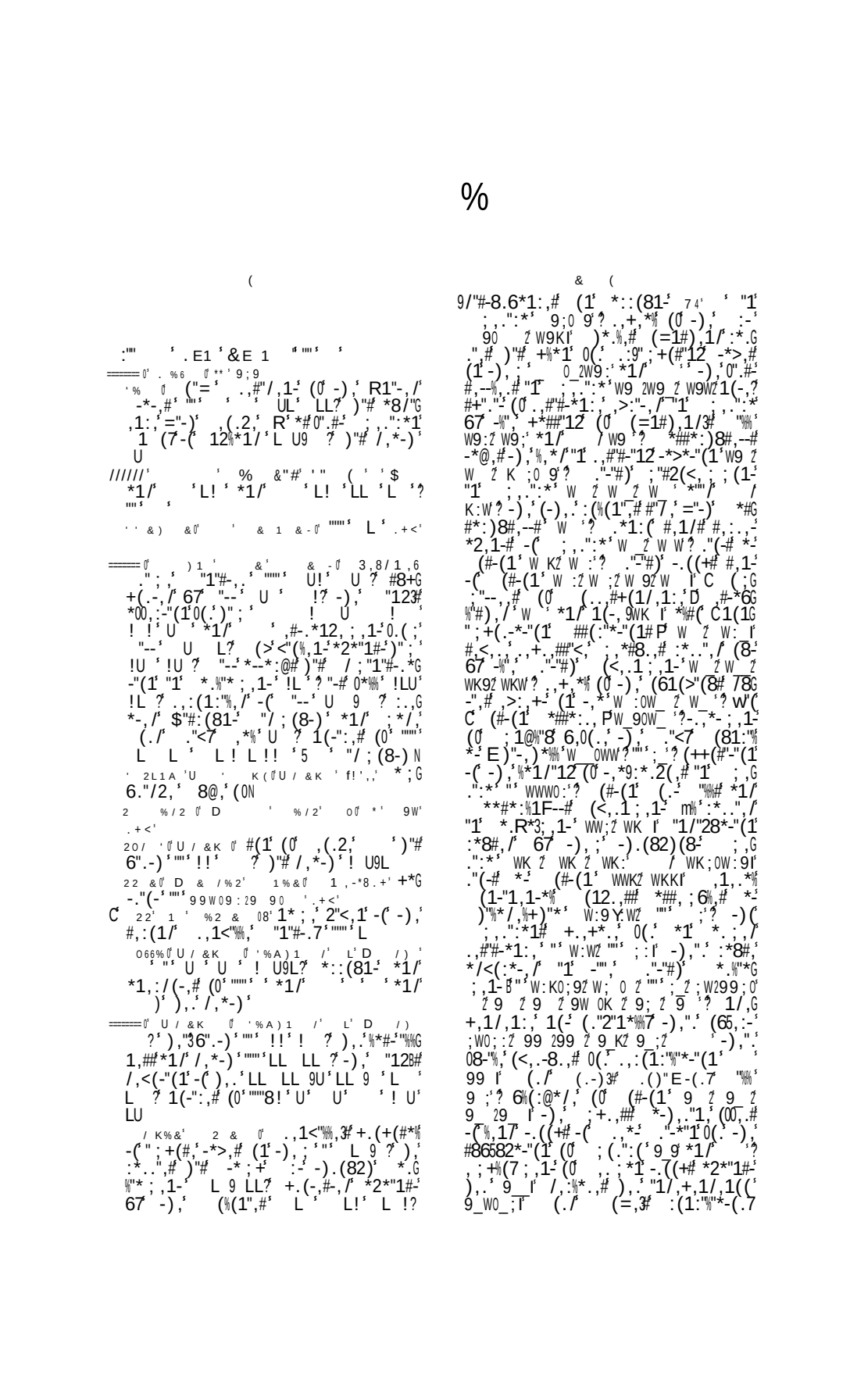
/5/15 +/- 5.?,.+ -=2 47*87 8/$ < </7/+/$- /7, <,.<2 4,-, /1* ,< . 7, 6/ ,1+*>. */+ /0 7, /36,@$*,6 /0 7, . , *+? 7, 8,-,1/+= /0 =*+? *+ 6 . , //M 5.8, /+ $,6<.=2 7, 9W 7 /0 ,3-$.-= 7, +*?7 /0 7, 9K 7 4.6 .55/*+ ,< 0/- 7, 0$+,-. 6 7, /+? .--.=Y 8/+6*6 *+? /0 7, 1/$-+,-6 *+ 7,*- 6.3 , 8/6 $1,62 /0 7,-. <6 *+ 7,*- ?.$<= .3.-<62 .+< -*+8,6 /0 7, //< *+ 7,*- 6.<08/ /$-,< 1.+ ,6Y.1/#,<2 3= /-87 *?7 2 0-/1 7, 5-*+8*5. 5/-87 /0 F*+<6/- (.6 , /' , /-?,06E7.5, 2 * 5-,6,+ ,< .?-.+< .+< *15/6*+? 65,8 .8 , 7, 5 .0 0/-1,<0-/$,2 . /+? 47*87 7, 5-/8,66*/+ 5.66,<2 4.6 8/#,-,< 4* 7 3 .8M 8 / 7 .+< *+,< /+ , .87 6*<, 3= 6/ <*,-6 7, 0 /$-*67 /0 -$15, 62 .+< 7, 6/$+< /0 7, 1$00 ,< <-$162 1*+? *+? 4* 7 7, 5, . /0 7, 1*+$,0?$+6 .+< 7, / *+? /0 7, <,. 703, 2 .<<,< / 7, 6/ ,1+* = /0 7, 68,+,

)(.-%7 *0-,. 1"1, (3:%(:@ -), ; (8.108% +.(:,##'(1 6,2*1 -(; (<} -).(82) -), #(8-), .1 +(.-*% (0 - ,(.2,3# h)*+,%), 6(/7 =*# .,:,"<, / 67 -), , *1 *1/ .,6,1/# "1 -), ". :*1(1":*%# *1/ 67 -), :)(."#-,.# "1

7,*- 6$-5 *8,6 1 1,<*. , = 7, /-?.+ 6 -$8M $52 .+< 7, #/*8,6 /0 7, (7/*- 6.+? 7, 6/ ,1+ .+ 7,1 Y M+/4 7. 1= ,<,,1,- A*#, 7L ' /4 = 7, 5-/8,66*/+ 5.66,< *+ / 7, 3,.$ *0$ 87/*- /0 7, 87.5, 2 47,-, 7, $M, /0) /-M2 .6 (7*,0 &/$-+,-2 //M 7*6 6,. . 7, 7,.< /0 7, 8/00*+ 7, 0$+,-. 6,-#*8, 4.6 -,.< 3= 7, ,.+ /0 F*+<6/-2 .66*6 ,< 3= 7, -873*67/5 /0 (.+ ,-3$-= 7, 8/00*+ 7.#*+? 3,,+ /4,-,< *+ / 7, ?-.#,2 .+< 7, <$6 7-/4+ $5/+ * 2 .- ,-0 *+?0. 0 -16 5-/8 .*1,< 7, * ,6 /0 7, <,8,.6,< +8, 1/-,2 7, #/ $1,< /+,6 /0 7, /-?.+ 5,. ,< . /+? 7, #.$,< -//0 .+< 7-/$?7 7, 0-, ,< .*6 ,6 7, 1/$-+,-6 -,0.--.+?,< 7,16, #,62 .+< <,5.- ,< +,.- = *+ 7, /-<,- *+ 47*87 7,= 8.1, 7, 6/ ,1+ 8,-,1/+= 4.6 . .+ ,+< 7, 6/ <*,-62 47/ 7.< *+,< 7, .*6 ,62 ,N *+?$*67,< 7,*- .5,-6 .+< -, *-,<2 &.+= 5,-6/+62 *+<,,<2 *+?,-,< / //M </4+ /+ 7,E 8/00*+ .+< * 6 65 ,+<*< 5.-.57,-+. *. ' //+2 7/4,#,-X 7, .6 0.*+ +/ , /0 7, /-?.+ <*,< .4.= *+ 7, <*6 .+8,K 7, .6 6 -.?? ,- 4* 7<-,4 7-/$?7 7, .+8*,+ / 7*8 5/- . f .+< 7,+ 7, /+8, 5/4,-0$.+<0 . ,-,< 1/+.-87 4.6 ,0 . /+, *+ . <.-M+,66 .+< 6* ,+8,2 +/ 1/-, .40$2 5,-7.562 3$,#,+ 1/-, <,6/ . ,2 7.+ 7.< . , = /#,-G 67.</4,< 7*1 *+ 7, +,*?73/$-*+? /4,-6 /0 7, '' .+ .?,+, 6

(

& (



*

_W 2' _K 2' _K I' ,<$8. */+' .+<0' ,.- =' 8.-,,-2' _W 0WI' 7*6' /#,' 0/-' *,-. $-,2' _W I' *+<$6 -=' .+<' <,6*-,' 0/-' M+/4G ,<?,2' _W 0K90I' *** ' _:W ' _; I' .1*.3 ,' @$. *',62' ** ' _W;2' _W I' 3,8/1,6' $+G 5/5$.-2'_ 92'_ 2_:_2_:W2_; 2_;_I' <,G +*,6'*+' .-*.1,+ ' 7,' 1.--*.?,'/0' 7,' -*+8,' /0' F . ,6'4*7' &-6 ' *>7,-3,-2' W _0 ' 8/+<$8 ' .+<' 5/ *8=' <$-*+?' 7,' *+? 6' *+6.+* =' *+' 9:;;0 2' *** ' K_O:2' : 0WI' -,B/*8,6' . ' 7,' -,+87' ,#/ $G */+2' 9KK2' 9K 2'9: I' <*66/ $ */+' /0' 7*6' 0-*,+<67*5' 4* *' $-M,2' 9K;0: I' /5G 5/6,6' .' 8/. * */+' /0' */' F 7*?' 5.-=' 4*7' * 2'9; 0K'I' 3-,.M6'$5' 7,' 5.-=2' 9;K2' 9 2' 9 I' 3-/.87,6' ,5$3 *8.+' </8 -*+,62'9 _2' I' 6 -$8M' ' 7,' *6 ' /0' -*#=' (/$+8* /-62'9 _I' 7*6'.3$68 /0' * 2' _2' _ 2' W I' 65 ,+<*<' 65,,87'/+' 7,'-,+,4.' /0' 7,' 4.-2' _I' 5-/B,8 ,<' 8/.* */+'4*7' * 2' W I',N8 $<,<'0-/1' * 6'& *+*6 -=' 3=' 7,' *+?2' K92' :I' 0,,*+?6' .' * 06' <,.7 2'_K_2'_: I' 3,G 8/1,6' ',8-,.-=' /0' ' .,2'_:2'_: I' 7,' *+? 6' . ,-,<' 0,,*+?6' /4.-<6' 7*1 2' <: 0W2' _ _I' 7*6' /6 '*H+,66' .+<' <,. 7' _;90 I' 0$+,-.2' _ 2' _ _' G ' ' ;2' 2' W92' W;' _:2' _K;2' _:2' _;2' _;2' W _I' *** ' 9:2' 9;2' K ' .+<' ' _:K ' ,,-6' .<G <-,66,<' /'7*1 '3=' 7,' *+?2' **2' _ 0__2' W9W2

/N2')1 ' &' H 'f.0,-4.-<6' /-<' / .+<X2' 8/.,68,6' 4*7' 7,' (/$-' 5.-='*+'9:K 2'*'9 WI' .88/$+' /02' 9 KO' 9 ;I' 7.-67' 1,.6$-,6' 5$-6+,<' 3='7*1' /'/q.*+'.'1.8/-*='0/-' 7,' (/$-2'9_ 0' 9_;I' 8-,.,<' /-<' / .+<2' 9:KI' +/G *8,6' /02' *' KW2' :2' 9W I' **' ' B ' / .+<2' /-< X

0000000 . / ***' _ 2_; 2'_;:2_ 0 ' B -16,.<2' & -6 X

=======0' /' L1 &*' 9 W' .+<'

/%&K 5,.8,' 4*72'*+' 9:K 2'*' 9 I' .</5 6' 7,'8.$6,'/0' 7,' -.,-*,.+'(/ /G +*6 62' **' 9; 0 2' 9 W' .+<' ' 9 :2' :2' ' 5-/B,8 6' 7,' *+#.6*/+' /0' +? .+<' 1' 9:: 2' _W2' _K'I' -,+87' 0,,'-, $-+6' /' -,6 2' _;I' 5,.8,'4*72' *+' 9:;2' ;I' -,+87' -,/# $*/+2' ***' 9KW0:I' 8-$6.<,'/0' $6 -*.'.-*<' -$66*.' .?.*+6' 7,-2' 9:K2' 9:: ' 4.-' 4*72' *+' 9: 2' 0 I' 5,.8,'*+'9; 92 ; 0 I' -,G +,4.'/0'7/6**0*62' I' 7-,. ,+6' 7,' *+#.6*/+'/0' +? .+<2' W2' K

0000000 GK &'EL'f& .-*.' ,,>*+6M.X'*' ; .+<'

/%&(2&0' &6% &0'*' : 2'_ '-2'W__0WW2' W::2'W; 2'W; 2'K;K'.+<' 'F=I'W I' *+': 2' ; 2' ; '.+<' '=X';K2'9 2'9_W2' 9K 2'9W 2'9WW2'9 2'9 92'9

(' /) ±U/&K ' O'[@%2 0'87.-.8 ,-.+<P.6,6I'*' 0KI' <,. 72':2';'.+<' 9 I' *+6 -$8 */+6' 0/-' 7,' ,<$8. */+' /0' 7*6'87H<-,**2'99'I' #,-6,6'/+'7*6'<,. 7I';2' 'W W2'W :

/ ' /K('@ 22 % ' f3-/7,-' /0' ,/-?,' X2'7*6'87.-.8,-'.+<'<,.7'2'*' _9 ' / ' /K(' A(' O'N /(' B ') /-M X

)

D%) 0' D & /%2' /' 1 % 06,-#*8,6'*+' 1,-*8.' <$-*+?' 7,' F .-' /0' +<,5,+G <,+8,2' 'WKWI' **' ;;2' 92' _2' K2' ;2' 2' 9 2'9 2'99 '.+<'

D%//K(0' %3 '0'**'K I' ***' 9K2'

D%/ /0' & %22% & ' L' &)1 ' L' 0'**'W_I' ***' _9:0

D%/ 10' D & /%20' @$,--=' /' ,/-?,' 2 ***' _W2' _K'.+<'

D% 0' K%&' D & /%20'**'9:W29::2' 9:;2'9: 29; 2'9 _2'9 W2' 2' 9' .+<'

'D & ,/%2' @%//%& ,08'9 0 2 92 _ , ' ;'.+<' 'X.' # $%' 2'_ I' 0$+,-,2'_:0_

D / 1 '9: ; ' *-72'*'9'.+<' ' 3.5*6162'.+<' '5,-0$*0160'*+' B$G #,+*,'7,.-*8.62'_0KI'8-,.,<' -*+8,'/0' F.,62' I' ?-*,0' .' 7*6'0.7,-06'<,.72' 9 I' ,<$8. */+2' 9 2' 2' W_I' **' K 'I' *+</,+8,2' *' 9 I' 87.-.8,-' *+' 7*6' =/$72' 2' 'I' 5-/5/6.' /'1.+='7*1' /' .' -*+8,66' /0' -$+64*8M0F/0,+0' 3$,2' W2' KI' 7*6',6.3*671,+' 6,G ,<2' :0 I' 7*6'. .8718,+' /' .+<+.7' *?70//2' 0 KI'.55*,6'0/-'1**.-=' ,15/=1,+2' K0;

9:K ' 88,66*/+' /' 7,' 7-/+,2'*' 0_ I' 6$11/+6'.+<'. ,+<6'.' -*2#='(/$+8*2' _2'__I'.1*.3,'8/+<$8' /+' 7*6'.88,6G 6*/+2'_W2_K2_ 0W I'5,-6/+.'.55,.-.+8,2' W 2W929:I'7*6'0*+,'#/*8,'.+<'<,*#,-=2' _2'W9I' 0.' 0-/1'7*6' 7/-6,2'W I' 0*-6' 65,,87' *+' .-*.1,+2'W2'W I' /-<' $,06'*+0$,+8,'/#,-'7*6'1*+<2'_2'W2' _2'__2'K2'WK29::2' K2 :'f',' $,Xf 7*6'1/7,-06'*+0$,+8,'/#,-'7*1Ik'W I' *+6$,<'3='7,'1/32'W:2'9 I' 7*6' /+2' 4.-0.-,'4*7' 7,'F7*?' .-*6/8-.8=2'W;2' W2'K2'K2':2'9 _2'9K 29 W2' 0_2' _; I' ** ' _W2' _2' :92'_9K2_ 2'_; I' $/5*.+'*<,.6'/0'?//<'?/#,-+1,+2'*' K 2K I' 5.66*/+'0/-' .<=' '.*.7'2,++/N2' K_0 29

9:K9' & .--*.?,2'*';:0 2' 09 9I' 8/-/G +.*/+2' 9 099I' <*+,6' . ' $*<7. 2' 99_0:

X9:K ' *#,6'.'-, *-,<' *0,2'*'9 W0:2' ;I' <.+?,-/$6'* +,662' 9 ;2' 9 I' 7*.' +00' 0,8*/$' 0/-' /+' '87//2' 9W2' 9 I

1

9 9I' ***' :K2' ' '_9KI' $,'3,G 8/1,6' -,1*,-2' *'R9 I' -,. 1,+' /0' 7,' $M,' /0' ,#/+67*-,2' 9_ OWE' .+N*, ='0/-'5,.8,'4*7' -.+8,2'9K

9:K ' -,+#* ,'3,8/1,6' -,1*,-2'*'9:;2' 9; I' <*66. *60*,<' 4*7' 7,' -,+#* ,' <1*+*6 -. */+2'.+<'6,+<60'0/-'&-' * 2' 9 W0 _I' -, .*+6' -,+#* ,'.6' -,1*,-2' _2' K0;I'7*6'<**?,+8,'.+<'.+N*/$6' . ,+*/+' /' 5$3*8' 3$6*+,662' W2' ;KI',+8/$-.?,6'.-3*-.-='5-/8,,<*+?6' .?.*+6' F*M,62' _I' 3,+,#/,+' .8 6' /02' ;2' 2' 9:

9:K_' '' *6*' /0' 7,' 7,-,<*.-=' $M,' /0' -$+64*8M' /'3*6' (/$-2'*' KO__I'5-/G 7*3*6'?.1*+?'.'(/$-2' 9WI'<*5/1.*8' <$,'5-,#,+,<'3='7*12' _W2 _KI'*6'6.*<' /'7.#,' 6$??,6,<' 7,' .N.*/+' /0' 1,-*8.2' WK2'

9:KW' *6'. .-1*+?'* +,662'*' WK0'.+<' '6$??,66'.' ,?,$8=' * 2'47*87'*6' 8.--*,<' 7-/$?7' .-*.1,+2' W0K;I' 7*?7=' *+8,+6,<'.?.*+6'7*6'&*+*6,-6' 0/-',N8$<*+?'7*6'1/7,-6'+.1,'0*+1' 7,' * 2' KW2' K;2' K'I',+<,.#/$-6'/' 0/-1'.+/7,-' <1*+*6-.*/+2' :0KI' .?.*+'*+#*,6' * '/'0/-1'.' &*+*6*=2' :92' :I'.?.*+'8/15,<' /'-,.*+' -,+#* ,'.6' -,1*,-2' :W2' :;0;2' ;/I'7*6'?-,.'<*6-,66'/0'1*+<2' :W2' :K2' ;2' ;2' ;_I'8/15.*+6'/0'7,' *+,00*8*,+8='.+<'+,?*?,+8,'/0'7*6'&*6 +*6,-62' :2' ;KI'87.-?,<0'4*7'<$5*6 8*='3=' -,+#* ,2' ;I'7*6'8/+<$8' <$-*+?'7,''4,.#,-6C-*/,2R' 92' _'I' =-.++*6,<'/#,-'3='7*6'&*+*6,-62' :K2' ;0 2' ;K20 W0I'7,'-,6/#,6'/+' ?,*+?'-*<'/0'7,12' I'0$-7,-'/#,-G $-,6'1.<,'3='7*1'/'*+<$8,'*'/' 0/-1'.+' <*+*+*6-.*/+2' 0I'6$8G 8,,<6'*+'0/-1*+?'7,' /8M*+?7.1'&*G +*6-=2' W

9:KK' *6'#*,46'8/+8,-+*+?'7,'-,5,.' /0'7,'' .15' 82'*' :20 90_OKI87.-?,<' 4*7'8.3. *+?'.?.*+6'7*6'&*+*6,-62' ;2' I'_2' _9I'7*6'1,+.'<*6-,662' WI',15/=1,+'/0'65*,6'.3/$'7*6' 5,-6/+2'KI'.$7/-*6,6'&-'*'/'0/-1' .'&*+*6-=2' K:I'7*6'#*,46'-,65,8*+?' 7,'?/#,-+1,+'/0'+<*.2' ;:I'**'_' .+<' '***2' ;I'#*6*'/'-.43,--=' * 2'*' ;;

9:K:' F,.M+,66'/0'7,'+,4' <1*+*6G -.*/+2'*' ;',0' ,' ,.76'/0'-*+8,' C-,<,-*8M'.+<'7,' $M,'/0')/-M2' _9 2' _9

9:K;0 '(/+<$8'<$-*+?'F* ,6G'-*/62 *' _WO;2'_ OW2'_ :2'_ ;2'__KI'<*68/+G 8,-,<' 3=' 7,' #*6*'/0' 7,' *+?' /0' ,+-..-OM' /' +?.+<2' _W2' _W9' *6' M*+<' .+<' 0. ,-*+?' -,.1,+' /0'/-<'(7.7.1'47,+'*+'/00*8,2' OW2 _WK2_K I' $M,'/0' -.0/+G6'&*+*6-=2' _ :*

9:: ' +<$8,6'(7.-,6')/-M,'/'.88,5' *,' -,.'',.2'*_:2'_:9I'7*6'<*6-,66' .'*,'-,6*?+.*/+'/0'*,' $M,'/0' -.0/+2' _:;2'_: I' /-<' /-7'.55/*+,<' -,G 1*,-2'_;92'_; ' *+?6'0-*,+<62L' _9I' *+6$ *+?'-,1/+6-.+8,6'.<<-,66,<' /' 7*1'3=' 7,'(*='/0' /+</+2'_ 92' _ I' ,8M0/-<G6'5,-6/+.',N*/6$ $ */+'4*7' 7*12'_ 0_'d

9::9' 55/6,<' /' 7,'.--,6' /0' 7,' 5-*+,-62' *' W 9I' *+6$,<' /+' 7*6' 4.=' /' 7,' /$6,'/0' /-<62' W I' 7*6' 8/15.1 *#/'-,5/6,'<$-*+?' /-<' /-76' <1*+*6-.*/+2'WKI'<*65,.6,<'.'7,' 1.--*.?,'/0'7*6'3-/7,-2' 7,' $M,'/0' ($13,-.+<2'**'92WI'.M/'.' *-,' 1.-G -*.?,'/0'7*6'3-/7,-2' 7,' $M,'/0' /$G 8,6,-2':2'992'9

9:: 0:_' ,5/6*'/+'.+<'<,.7'/0'3*6' 6*6,-2'7,'Q$,,+'/0' ,+1.-M2'**'9;' ' ,I'<,.7'/0'7*6'1/7,-2' 2' 2' 9I' </1,6*8'*0,2' 2' _OW2'_;2'_ I'5*,=2' ;2W OWI'7*6'?//<'+.$-,2' ;I'#*?/-/$6' 8/+6*$*/+'.+<'.8*#,'7.3*E' 2_ I' 7.3*$.' ,15,*0.+8,2'_ 2'_9I' 5,-6/+.' *+ -,5*<*=2' _92' _ 2' __I'0*-1+,66'/0' 87.-.8,-2'_ 2': I'7*6'6-/+?'-,?.-<'0/-' -$ 72'__2_WI'7.6'7,'*+ ,-,6 6'/0'7*6' 6$38,8 6'.'7,.-2'_W2': I'***' 2' *,*0.-=' . .*+1,+62'**' _W2'K 2'K_2'KWI' ***' 9 2' 9_I' 7/-/$?7'M+/4,<?,' /0' 5$3*8' 3$6*+,66'.+<' /0' 7,' 5$3*8' /00*8,62'**' _KI'***' :_I'<**?,+8,'.+<' 5$+8$.*='2'**'_:2'_;I',5*6/.-='6=' _:'.+<' '***00W 92' '</1,6*8' "*-$,62'**' _;2' ;I'5.=0$'7$1/$-' .+<'M,,+'6,+6,'/0'7,'-*<*8$/$62' _2' W2'W92'KKI'*3,-.'0,,*+?6'/4.-<6'7,' *66,+,-62'WW0;I',+8/$-.?,6'7,',<$G 8.*/+'/0'7,'5//-2'W;2'WI'.6,'0/-' 3/.+=2'W2'K'.+<' '0/-'1$6*82'K2' K2W9;2'.+<'E/,2'W9I'0/-'7,'<-.1.2'K' ***' I'0/-'.?*0*/$ $-,2'**'K9I'***'9' 0/-'7,'/-6'.+<'68*,+8,62'**'K92'K' ,+8/$-.?,6'#/=.?,6'/0'<*68/#,-=2'K9' M+/4,<?,'/0'+.#.'.-87*,8$-,2'K' 1.?+*0*8,+'8/,8*/+'/0'3//M62'K_'.+<' +/,62':9I'5.-/+*6,6'*,-.-=' 1,+2'K:' .+<' 'K;2'K2':2':KI'***'9 2'9_I' 5,.6*+?'1.++,-6'.+<'.<<-,662'**'K2' :92'W9;I'*+,-#*,4'4*7' -'A/7+6/+2' :I'4*7' -' ,.*,2'7,'.$7/-'/0' 7,'P&*+6-,2C:90KI'8/+#,-6.*/+'4*7' *67/5'F.6/+2':K2'::2':;I' *67/5' F.-3$-/+'.'7,',#,,2';;

9::W' 1>"(8#-(':(1:"'*-,'-),' ;,."90' :*1#'"'; 2';29 '*1/' '*<,.#,'-('(1:,/"12'*/,A8*-,'-,.;#-('-),';' W_2' WW2' ;0_ _

9::K0:' 7,' 1,-*8.+'(/+?,66'.=' 7,'*-

U *

4 - / + ? 6 ' + ' 3 * 6 ' < / / - 2 ' 9 _ : 2 9 _ ; 2 ' 9 W ' I ' - , G
8 , * # , 6 ' 7 , ' + , 4 6 ' / 0 ' 3 / ' 6 $ - - , + < , - ' / 0 '
+ - ? / = + , 0 6 ' . - 1 = ' . ' ' . - . / ? . 2 ' 9 ;
9 : : ; ' * 6 ' . # , - 6 * / + ' / ' 6 $ 1 1 / + ' / - < '
(7 . 7 . 1 ' / ' 7 * 6 ' 8 / $ + 8 * 6 2 ' * * ' 9 0 : I '
5 , - 6 / + . ' . 0 0 - / + 6 ' 5 $ ' / + ' 7 * 1 ' 3 = ' / - < '
(7 . 7 . 1 2 ' _ I ' . # , - 6 , ' / ' / - < ' (7 . G
7 . 1 ' 3 , * + ? ' . 4 . - < , < ' . ' 5 $ 3 * 8 ' 0 $ + , - . 2 '
9 W I ' * + , - , 6 ' / M , + ' 3 = ' 7 * 1 ' * + ' 7 , '
. - 1 = ' / 0 ' 1 , - * , . 2 ' 9 2 '
9 : : ' * ? 7 ' 6 5 * - * ' < * 6 5 . = , < ' 3 = ' 7 * 1 ' / + '
, N 5 , 8 , < ' * + # . 6 * / + 2 ' * * ' _ K 2 ' _ : ' I ' / 0 0 , - 6 ' / '
5 . = ' / - < ' / - 7 0 6 ' < , 3 6 2 ' W I ' / - < 6 '
(. 1 < , + ' . + < ' ' 7 , 3 $ - + , ' * + # * , < ' / ' B / * + '
7 , ' & * + * 6 - = 2 ' W K
9 : ; 0 9 ' , 1 5 6 ' 1 . < , ' * + ' . - * . 1 , + '
/ ' < * 1 * + * 6 7 ' 7 , ' * + 0 $, + 8 , ' / 0 ' 7 , ' (- / 4 + 2
* * ' W ; 2 ' W ' I ' 7 , ' * + ? 0 6 ' < * 6 - , 6 6 2 ' K ' I '
7 * ? 7 ' 1 / - . ' 8 / $ - . ? , ' < * 6 5 . = , < ' 3 = ' 7 * 1 '
< $ - * + ? ' 7 , ' / - < / + ' - * / 6 2 L ' : W O I '
5 - . 8 * 8 , ' / 0 ' 7 * 6 ' & * + * 6 , - 6 ' / ' M + , , ' /
7 * 1 2 ' : 2 ' ' . 6 6 . $, < ' / + ' 7 * 6 ' 4 . = '
/ ' 7 , ' 7 , . - , 2 ' ; ; I ' (/ $ - 0 < , 6 8 - * 5 G
* / + 6 2 ' 3 = ' & - 6 ' , . + = 2 ' 0 - / 1 ' * 1 , ' /
* 1 , 2 ' 0 : 2 ' 2 ' 9 2 ' 2 _ 0 2 ' W I '
7 * 6 ' M * + < + , 6 6 ' / ' 7 . ' . < = 2 ' 2 ' _ 9 2 '
W 9 ' D -, 6 5 , 8 ' 6 7 / 4 + ' 3 = ' * * 1 ' 0 / - ' 7 , '
1 , 1 / - = ' / 0 ' & . B / - ' + < - ` 2 ' 9 2 ' I '
(/ $ - ' 5 * 8 $ - , 6 2 ' 3 = ' & * 6 6 ' $ - + , = 2 '
W 0 K ' I ' * * * ' 2 ' _ 2 ' 9 : 2 ' 9 ; ' I ' 7 * 6 ' ? - * , 0 ' . '
7 , ' < , . 7 6 ' / 0 ' 7 * 6 ' 6 / + 6 2 ' 0 - , < ' . + < ' 8 . G
* $ 6 2 ' * * ' _ 2 W 2 ' K
9 : ; ' , * - , 1 , + ' / 0 ' / - < ' / - 7 2 ' * ' _ W ' I '
7 , ' * + ? 0 6 ' . # , - 6 * / + ' / ' (7 . - , 6 ' / N 2 '
K 9 0 W 2 K 2 ' _ _ ; I ' * * * ' 9 ; _ 2 ' K 9 0 W I ' 7 * 6 '
- , . 1 , + ' / 0 ' 7 , ' / 8 M * + ? 7 . 1 ' . + < ' ' 7 , G
3 $ - + , ' < 1 * + * 6 - . * / + 6 2 ' * * ' : 9 2 ' :
9 : ; ' H - ? , 6 ' 7 , ' = / $ + ? , - ' * ' / ' . 8 8 , 5 '
7 , ' - , 1 * , - 6 7 * 5 2 ' * * ' _ 9 : 2 _ 9 ; ' I ' 8 / . * * / + '
& * + * 6 - = ' 0 / - 8 , < ' $ 5 / + ' 7 * 1 2 ' _ 9 0 I '
< * 6 - , 6 6 ' / 0 ' 1 * + < 2 ' _ _ 2 ' _ W 2 ' _ K 2 ' _ 2 '
_ ' I ' 7 * 6 ' 3 , 7 . # * / $ - ' / 4 . - < 6 ' / N ' . + < '
7 * 6 ' 8 / , . ? $, 6 2 ' _ 2 ' _ _ ' . + < ' / _ ; ' I '
. 0 0 * 8 * / + ' . ' * , ' / 6 6 ' / 0 ' * , ' 1 , - * 8 . + '
8 / / + * , 6 2 ' _ W 2 ' _ _ 2 ' _ : ' I ' / 0 , + < , < ' . ' 7 , '
8 / + < $ 8 ' / 0 ' 7 * 6 ' & * + * 6 , - 6 ' * + ' 5 - / 5 / 6 * + ? '
. + ' , N - . # . ? . + ' 5 - / # * 6 * / + ' 0 / - ' 7 , ' - * + 8 , '
/ 0 ' F . , 6 2 ' _ W 0 ; ' I ' 5 - / 8 $ - , 6 ' 7 , ' < , 0 , . '
/ 0 ' / N 6 ' + < * . ' * ' * + ' 7 , ' / $ 6 , ' / 0 '
/ - < 6 2 ' _ _ 0 ; ' I ' , . - + , 6 ' 6 $ 5 5 / - ' / 0 ' * 0 6 '
< 1 * + * 6 - . * / + 2 ' _ K
9 : ; _ ' 3 $ 6 , / 0 7 * 1 3 = ' 7 , ' F 7 * ? 6 2 ' * * ' _ : 9 ' I '
< - , . < ' / 0 ' 7 . # * + ? ' . ' " * * ? ' & * + * 6 E ' . ? . * + '
0 / - 8 , < ' $ 5 / + ' 7 * 1 2 ' _ K 2 ' _ : ' I ' 7 * 6 ' 7 , . 7 0
? * # , 6 ' 4 . = 2 ' _ : I ' 7 * 6 ' 5 / 5 $. - * = 2 ' _ : _ 2 '
_ : K 2 ' _ : ; 2 ' W : I ' M * + < + , 6 6 ' / ' 1 , - * / - * / $ 6 '
1 * * . - = ' / 0 0 * 8 , - 6 2 ' 2 ' _ ; K ' . + < ' "
9 : ; W ' ' / 8 * . ' 7 . 3 * 6 ' . + < ' . 1 $ 6 , 1 , + 6 2 * * '
_ 2 ' _ 2 ' _ I ' < * 6 - , 6 6 , < ' . ' 7 , ' 8 / + G
< $ 8 ' / 0 ' 7 , ' - * + 8 , ' / 0 ' F . , 6 2 ' _ _ 2 ' _ W I '
* ' I ' M * + < + , 6 6 ' / ' & - , ' * > 7 8 - 3 , * 2 '
* * 2 ' W 9 ' I ' 7 * , ' . $ < * , + 8 , ' 4 * 7 ' A / 7 + ' < . 1 6 2

-) ' 0 " . # ' ; , . ' : * 1 ' 1 < (7 - (, 1 2 % * 1 / '
L U 9 ? " 1 - , . < " , = ' = " -) ' . 8 . 1 , 7 ,
9 L 9 ? " # # 8 . 1 , 7 3 # * : : (8 1 - ' (0) . ,
0 " . # - " 1 - . (/ 8 : - " (1 ' - (-) ' : " 1 2 ' L 1 9 ' ?
(. / 8 % 0 (. / 8 # - , # - ' ; (1 7 - (') " # @ " 1 / G
1 , # # (0 ') , * . - ' L !
- - , : + - ' (0 * . 2 * . , - ' :) (% # (1 '
( ) ') " # % " 0 , ' ; " " ' ' L ! 9 ' ? # - * 1 / # 2 (/ 0 * -) , .
- (* / 7 , ' (. 2 " 1 * . : " ' " " " ' ' ? < " # " - #
8 1 ,) * ; ' > 0 (. / ' * 1 / % , 1) , " : ' L '
' ? , 1 : (8 . * 2 , # 8 1 / * 7 # :) ((% # '
' ?) " # . ; , # + , . - ' 0 (. (= * . / '
-) , +) " % * 1 -) . (+ " # - !
9 F ' " " " ' , # , 1 - ' * -) , 8 - (1 ' # + , , :) , #
L . ; ? : (1 < , # * - " (1 ' = " -) . * - - "
U ?) " # 2 , ; * - ' * 0 0 , : - " (1 0 (. ' -) , ' 8 @ , ' (0 '
(. @ ' ! L ' U ' U ' ?
/ " # - . , # # , / ' * -) , ' 8 @ , 3 # ' 8 1 0 " % " * ' : (1 G
/ 8 : - ' ! ' ? m % 1 , # # " 1 ' ! ' ?
< " # " - #) , % - , 1) * ; ' ! F ' ? * - - * : @ , / ' = " -) '
" 1 # * 1 " - / ' ! 9 U ' ? 2 , 1 , . * % 2 . " , 0 ' * 1 / ' : (1 G
- , . 1 * - " (1 ' * ; (1 2 ') " # # 8 6 5 , : - # ' L ' ! ' ?
, % * - " (1 ' (0 -) , ' ++ (# " - (1 ' L ? +. (G
2 . , # # (0 ' -) (" 1 2 3 # : * % * / 7 ' L 9 ' '
9 ' ? " - - 3 # + . (+ (# , / 9 + % * 1 (0 ' , 2 , 1 : 7 '
' ? . ; (< , / 0 . (. ' E " 1 / # (' - (' = '
! ? 6 . 8 - * % - . * - ; . 1 - (3 = " :) '
) , ' " # # * " / - ( ) * < (' 6 , 1 ' , > + (# , / ' ! 9
. , < * % , 1 : , ' (0 + * . - 7 # + " . " - " = ' L '
' L ' ? 1 # : (1 < * % , # G
: . 1 : , ' ! ' U ' ' ?
" 1 - , . < " , = ' = " -) ' " # # (1 # ' ' ? # 8 + G
+ (. - , / 6 7 ') " # . , % " 2 " (8 # + . " 1 : " + % , # ' !
! ' ? + (+ 8 % * . ' . , 5 (" : " 1 2 # * ') " # . . G
: (< , . 7 ' ! ' U ' ? + 8 6 % " : -) * 1 @ # G
2 " < " 1 2 ' * - ' * 8 8 % #
' ' / 8 , % 6 , - = , , 1 -) , ' 8 @ , ' (0 (. @
* 1 / ' (% (1 , % , 1 1 (> ' L ? " 1 - , . < " , =
= " -) ' 8 / 2 , ' * . / " 1 2 , ' ? S < # " - (
E , 7 ; (8 -) ' > , - , . ' % 7 ; (8 -) ' c :
! 9
9 L ' * . . " * 2 , ' (0 ' -) (8 % : , ' (0 ' (. @ '
" " " ' U ? < " , = # . , # + , : - " 1 2 -) , . , 1 :) '
, < (% 8 - " (1 ' ? :) * 1 2 , ' (0 0 , % " 1 2 #
- (= * . / # -) , E) " 2 # ' ! U ?
* < , . # , ' - (= * , = " -) ' . * 1 : (' ' ' ?
(. / (= , 3 # < " : - (. 7 (0 ' -) , ' 0 % . * - (0
8 1 , ' U ? -) (" 1 2 < " # " - # -) , ' 0 % , , -
* - ' (. - # ; (8 -) ' L ' ' ' & / " # - . , # #
* - ' -) , . ; . * R (0 ' -) , ' 8 @ , ' (0 ' (. @
0 . (. ; ' -) , ' (= ' (8 1 - . " , # ' ? ; * . G
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9: 9Zʲ ; OKZʲ 99 l' 7*6ʲ ?-,.'5/5$.-*=Zʲ
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W'f7/6**='/'7,' /8M*+?7.1' <0ʲ
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OOOOOOZ F A' i 1 ' R '&) /TŮ B' :_2
W; l' 7*6'0*-6'65,fl8 $6*+' 1*.1,$ Zʲ **'
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3= /N'.' -//M6C6'($3Zʲ 9;'.+<'+/,'
7*6ʲ -*#.-='4*7' /NZʲ 9:Zʲ 9;Zʲ _W l'
+-/<$8,6'7*6ʲ 1,.6$-,6'/0ʲ .-.1,+G
.-=' ,0/-1Zʲ :Kl' ***' 9 l' .55/*+,<'
(*.+8, /-ʲ /0ʲ 7,' N87,@$,-Z** ' ;:I
'5,-6/+.' 8/+0,-,+8,6ʲ 4*7' /NZʲ _ W'
.+<' ' _ l' 7*6ʲ /5*+*/+' /0ʲ /NC6'
. ,+ 6Zʲ _99l' -,8/11,+<,<ʲ /' 7,' *+?'
0/-ʲ 7,' -,1*,-67*5Zʲ _9:l' /00,-,<' /' **1'
3='7,' *+?'_9;2_9 Zʲ _ l' <,,*+8 6*Zʲ
_9 Z _ :l' re8/1,6ʲ -,1*,-Zʲ __;Z __ 'f
8*.-.8,-ʲ 8/+-.6,<'4*7'7.'/0ʲ /NZʲ
_W l',<$8.*/+'.+<',.-='8.-,,-Z' _W9Z
_W l'<*6-,66ʲ.' /-<' ,15,6'-,6*?+.G
*/+Zʲ _K_'f-,8,8 6'7/'H*8-.*#,'5/6'/0ʲ
(,-M'/0ʲ 7,' / 6Zʲ _K:'.+<' '_K;l'
3,6,'4*7'8*00*8$ *86'+'ʲ 7,' /$6,'/0ʲ
(/11/+6Zʲ _K;0: l' **6ʲ 5/5$.-*='4*7ʲ
/'1<<,'8.66,6Zʲ _:_Z_:;'f.66.$,<''
/55/6*,' -//M6C6'($3Zʲ _: Zʲ _; l' 6*?G
+.' -*$157'/#,-' 7,' 5VX/6*'/+Z'_;9Zʲ
_;_l' -, $-+,<' 0/-ʲ 0*,' H+*#,-6*='/0ʲ
(.13-*<?,'. ' 3,' ?,+,-.' ,8*/+Zʲ
_; l' 8N815.*=ʲ 8/+<$8' <.-*+?ʲ */'
+?C6'+6.+*='*+' 9:;;0 Zʲ *** ' K Zʲ K Zʲ
999l' 7*6ʲ ,?,+8='5.+'*+' 9:;;09:; Zʲ
: l' -,0$6,6ʲ 7,' -<,-'/0ʲ */' .-,-Zʲ
9_ l' .55/*+,<'F.-<,+'/0ʲ 7/'(*+@$,'
/-6Zʲ 9W:Zʲ 9W;P.+<' ' 1*6$+<,-G
6.+<*+?6'4*7'/-<' 1-/4Zʲ 9W 29K '
.+<' '7*6',1*+,+'6,-#*8,6'+6'&*+*6G
,-Zʲ 9K 29K l' 65,,87'.?.*+6'7,'' .#,0ʲ
-.<,Zʲ 9K_l' 8/,-8*#,' 1,.6$-,6'*+-/G
<$8,<'3='7*1Zʲ 9:W Zʲ 9:;l' 8/.,68,6'
4*7ʲ 7,'(/$6,-#.*#,'F7*?6Zʲ 9;Zʲ 9;Zʲ
9 l' .#,-6,'/'*8ʲ 4.-'4*ʲ -.+8,Zʲ
9 Wl' @$.*0*8.*/+6'.6ʲ F.-'&*+*6,-Zʲ
9 :Zʲ 9;Zʲ 9 l' 5-/5/6,<' /1.+ʲ (.G
7/*8ʲ 1.+8*5.*/+' * Zʲ ;Zʲ _ Zʲ
_;Z C f* Zʲ K9l' -,6*?+6ʲ 7,' -,1*,-G
67*5Zʲ 9Wl' 6+B@4-6' <<*+?/+Zʲ _:Zʲ
Zʲ _l' 5,8* **.-='<*0*8** *86Zʲ K:l'
,6-.+?,1,+'0-/1' <<*+?/+Z'xl 9ʲ
,' _9Zʲ _;Z WWl' 65,+<*<'65,,87'/+'
7/'-,+,4.'/0ʲ *,' 4.-Z A l' .8M6ʲ
7,' <<*+?/+'&*+*6-='*+' .-*.1,+Zʲ
W9ʲ .+<' f V**/B88 8<'8/.**/+'4*7ʲ
/NZʲ W l' .55*,<' /'3='7,' *+?'/'
0/-1'.'&*+*6-=Zʲ WWZʲ 9Zʲ _l' 0/-16'
.+' <1*+*6-.*/+Zʲ : l' -,,/+8*,<' /'
<<*+?/+Z _ :099l' <*6-,66,<'.'7,'
15,.871,+'/0ʲ /-<'&,#,Z' _ l'
7*6ʲ .6'5.-*+?'4*7' <<*+?/+Z _ l'
4,.M+,66ʲ /0ʲ 7*6ʲ <1*+*6-.*/+Z' _W l'
0.*$-,'/0ʲ **6ʲ 4.-'5/*8=Zʲ _W_Z _WWl'
<,8*+*+?'7,. 7'.+<'1,+.'<*6-,66E'
_WW0;'f .6'*+,66',+<'<,.7Z _W;0;'f
01*,-.*Z_K;l' +/*8,6'/0Z**'9K_Z ;Z
9KZ ;Z W_'.+<' ' *** ' 9Zʲ W29 Zʲ
9KWZʲ Zʲ :2'_9Z _ _' 8-6'.<0Zʲ
<-,66,<'3='*8ʲ *+?'/'7*1Z**Z _ K2Zʲ
_ :2_: Zʲ _:_2_; Zʲ _ ;Z W l' *** ' 2

□ ' □

*2' 99 2' 9_ 2' 9_92' 92' K 2' ;_2' _9 2' _992' _9W2' _ W2' _ :2'_ ;2'_ 2' _ _:
---2' A/+$' R K 6 ' f',' (7.3.12'
',8/+<' .-'/0X
=======0' 1 % 0'**'_9
U 2% %0' . 0' /#,-+,66' /' 7,' -*+G
8,66,62'**'W 2'
0000000 2' */*+S' &'B L10'**'W
U 2%&'0' & ' L' f',','.+*6.$6X'
U 0'.%/ %/ ' K 1 ' 2'**' '
.+<' / ' _2' K2' 2' I'<,.72'
W
000000' @ 22 % ' A(' L0' 87.-.8,-' /0X
**' :2' ;9I'3,8/1,6' -*1,' &*+*6,-2'
_9_2' _ I'0.'/0'**6' <1*+*6-.*/+2'
__;2'__ I'#.8*.*+?'8/+<$8'*+'9: 2
***'9;_0 I'.55/*+,<''',8I*.-='/0''.,2'
9 I'$-?,6' 7,' *+?' /' -,0$6,'8/+G
8,66*/+6' /' 7,'(.7/*862' W_2' W99I'
3,8/1,6'.'6,8/+<'*1,' -,1*,-2' W 2'
W9WI'7*6'*+,66'.+<'-,*-,1,+'0-/1'
/00*8,2'W I'7*6'<,.72'W ' G '
*' ; 2'_ 2' W W2' '**' ;2'9 2'+/,2'
_ 2' W_2' : 2'_ K2' _ :I'***' :2' ;2'
2' , ,-6'.<<-,66,<'/'7*1'3=
C 7,' *+?2'***' 2_
U /0'B 1&0' /K1 1 L' L' %& /d
A/-0'*'92' 9
=======0' 1 % 0'*'9;W'
/4 2'D 3 /& /0'.<#/8.,6' 1,-*8.+'
-*?7 6'*+' .-*.1,+2'*'W 2'WW 2'W I
**'9; I'.88/$+'/02'*'W 2'
U/K 0'(/ *65 @ 22 % ' L' U L=
L/220'8/11.+<6'7,' 1,-*8.+6'.'
7,'3. ,'/0' $+M,-06' * 2'**'9 90 2'
9 K0;
U/ &0' %L % &0'7*6'*++/8,+'67.-,'*+'
7,' ' /6/+'&.66.8-,2L'*'W_92'W_ '
U/K0' /' K1%1'0'**'9 ',+<'
U/&K &0' % 2' L0'**'9K:2'9 ;'
U/K /0' /' F ' %AK1% L0'-*#.'/0'
FHM,6'0/-'7,'-,5-,6,+.*/+'/0'&*<G
<,6IE2'*'_ _'.+<'
U/A %0' /' /K(' ' & ' L0'*'W :2'
W ;2'W *'**'9#9_' , ,-6'/0' ,/-?,'
' /'7*12'*'9 92' K2' __2'_ ;2'_ 2'
_9
J 0'GA &' L0', ,-6'/0' ,/-?,' ' /2
' *' :2' __2'_99
$)2'. 'f.0,-4.-<6' (/$+,66' /0'
.72'***'K_'.+<'
UA &% 0' /% 20' 1,-*8.+'5.-*/2'*'W 2'
' **'9 29

GA & //-0'@12 % ' A(' '"*' 99I
***'9 2'9 '
! 2 &0'B % 0'7,'.8/-2'*'_ '***2'9 :

e

% (0' / 0'57*.+7-/5*8'5-*+ ,-'/0'
/$8,6,-2'***'9
% ' &0'B 0'7,'1.87*+*62'**'_;
** " 2' /''B '&/*-.X
%-0'7 662'**' I'1$-<,-,<'8/1*+?'/$'
/0'(/#,+' .-<,+' 7,.-,2' _2' _9
'0'(/ *N'B L10' 1,-*8.+'5.-*/2'
$'9_K2'
K1%/' &0'B % 0'.'6,.1.+2'M*+<+,66'
/0',/-?,' '/'7*12'*'
K1 &'0' 1%/2 ' 1/'3' A(' L0'*'
9 :'.+<'$ ' K 0_'.+<'I/0I2' K 2' K92'
2' ; I'**' : 2' ;W2_ W2'_9W2' 09 I'
.55/*+,<''',8-,.-='/0''.,2'*'KF='
-,6*?+,<2' :92' :WI' .<#/8.,6' 7,'
8.$6,'/0' 1,-*8.'*+' .-*.1,+2'WKW2'
'**'9 2' :2' 2' 99I'.<#/8.,6'
H -.0 *3,-.' 5-*+8*5,62' K_2' KWI'
1*6$+<,-6.+<*+?6'4*7'*,' *+?2' 2'
:;I'.55/*+,<'&.6,-0 ,+,-.'/0'7,'E
-<+.+8,2'__
======0'.%/-' AK1 ' L0'*' _9K'.+<

0000000 0' ' / &'0' ')0'*' W2' 2 ::2

2 ¯)1,"2 6 E! "'"'9 2' K
& &0'. /'f&.-=' .-3=X2'.88/$+'
/0'7,-2'*' W2' '7,-'8/+,N*/+'
4*7'7,' -*+8,'/0'F.,62' W2' :2'
;
/8$* 2'@ 22 % ' &/-' L A' %/2'
L0'.55/*+,<''',8-,.-='/0''.,2'*'
_W:
K(&)1% 0' 1%/2 '.%/EA ' L0'<*6G
1*66,<'0-/1'7*6' /-<' *,$,+.+8=2'*'
9_K'f.55/*+,<' *-6' /-<'/0'7/' -,.G
6$-='*+' 9:KW2' W2' 99I'4,.M+,66'/0'
6' <1+*6-.*/+2' 2' 9 2' I'*6'
'8.*16'/'-,65,82' 9 I'.88/$+'/0'7*12'
9 0 I'7*6'<*61*66.2' W;2' :WI'.5G
5,.-6'/'7.#,',15/=,<'.'65=':.3/$'7/'
*+?2' K I'.66*66'6'F*M,6'4*'1/+,=2
'_ I'#*,46'-,65,8*+?' 1,-*8.+'.N.G
*/+2'W;9'7*6'.<#/8.8=':/0' 1,-*8.+'
-*?7 62'**'99 2'9 2' H '9W 2'9K 2'9 2'
9 9I'3*6'6,8/+<' <1*+*6-.*/+2''/0 2'
: I'<,.72' ::' G ' '*'_::2'
W W2' f**'
'& -0' '/%2' /'0'.88/$+'/02'**'
;2' 2' 9 I'7*6'#*8/-=' /#,-' 7,'
'5.+*67'x,8E' 99I'8.5$-,6''' $6.0'
*.2' 9 I'7*6'?-/$'#*8/-=' /#,-' /'
-.66,2' 90K' G ' 2' 9
0')1' &'D /)0'***' :2' ;2'
2'_W 2'_ 9
0000000 2' /'D /)0'7*6'.88/$+6'/0'7*6'*+G
,-#*,46'4*7',/-?,' 2'***' :0
2-&0' 2#%&'/' %/2' L' b9 '
/$?73/-/$?72X

1 R --E

1 2 ' Ů '$%1'Ů ; , ."::*1' #-*-,#G ; *1'"'' LL
N+*'+ ž (8#' K(' LŮ ' ; ;' *1/'
'Ž'"'ß %'*1/'
EH *Ż ("">' 1 /'' A(' LŮ ' ,4.-<'
(Ů-'"'ĺ (8#,)(%/'"'

+

%K(3 22 Ů H'' D /) Ů .0,-4.-<6'
"*68/$+'' '.8M#* ,ž 8.6**,-,<' 0/-' **6'
8/+<$8' . ' */' . ,' /0' A*+<,+2
*' W ž :ž ; ' .1,' 87.+?,<' /'
,-1.*+,ž **' 9 ž ' f ,/' ,-G
1.*+,ž /-<' ,/-?, X
%&'$K1Ů ß 1&' A/ 1' %/2' LŮ .5G
5/*+ ,<''',8-, .-='/0''. ,ž*' ;'Ĺ87.0'
18 ,-' .+<' .88/$+' /0ž 99' .+<' '
*<6' <,+/$+8,1 ,+' /0' F*M,6'*+ 7/'
/$6,' /0' /-<6ž 99ž 9 Ĺ' 5/5$.-'
-*<*8$,'.+<',3$6,',5, ,<'.'7*1ž 9;ž
9 '.+<' ' 'Ĺ+*8M+.1,<' A,11='
4*87,-2L' 9 Ĺ' .,156' /' ,N8$<,'
7,' -*+8,66' /4.?,-' 0-/1' 3,8/1*+?'
,?,$ ž 0(;'Ĺ 65,.M6'.?.*+6' *,'
1,-*8.+6'*+' .-*.1,+ ž W;WžW 'Ĺ.8G
8$6,6'7,1'/0'8/4.-<*8,žW 9'Ĺ*+'5,-6/+.'
<.+?,-'<$-*+?' 7,' / *6,-'.+<' /558'
-*/ 6ž ** ' ;ž 'Ĺ7*6'8/+-*80N*/+' 4*7'
&*66' .=ž 0_9'Ĺ87.-?,<' 4*7' 1*60'
*1 $.?,1,+'/0' .#.' .H***-6ž K ž _9ž
_ '.+<' ' G ' *' 9;Kž
:ž ž ' 9 'Ĺ w' : 'Ĺ***'W;
%/%)%Ů A /&'/' L' 1 ' / 1'
A -'% Ů ** '9:W09:
%<&' /Ů ' /%2' /' 1%/2 ł .5G
5/*+,<'0*-6' /-<' /0' */' <1*-. =2
' :9ž ;K'.+<' ' -,6?+62'
%" ž /'D /) Ů *' W;Ż :
'8 *') ž U 1 2 LŮ 1,-*8.+' /$,*0.ž **'
9 9ž 9: 29:
@ Ů .%'% T' ,,5,-'/0'7,'
/3,6' /' 7,'Q$,,+ž **' W 'Ĺ*** '9_90'
UU
'8/* ž D /) Ů '$305-88/5/-' /' ,/-?,'
' 47,+' -*$8/ž*'9 '.+<' '9W29Kž
9:ž
K((Ů (Ů /K / 1 L' O' %& (3(-0
*' 29 29
2 /(Ů A& Ů 15,-*.' 13.66.</-ž*'
_Kž_ W
2$3(Ů D /) Ů 4* ='6.=*+?6'/0ž *'9 Kž
9 ž W:ž ' ;ž_ 'f **' Kž '
K;ž ;;ž ' _K ž3U w' G ' *'
:;Ĺ** ' ž W92K ž Ĺ***'
1 2 A/& Ů @ 22% ' %/2' LŮ 3*6' /5*G
+*/+6' /+' 7,'-*?7 '/0' +N*+?' 7,' 1,G
-*8.+' (/ /+*,62'*' 9ž W;9'Ĺ.55/*+,<'
',8-,.-=' /0'' .,ž :9'Ĺ-,6*?+62' _W:'
$*01*?$6' **6' 8/ ,.?$,6'*+' .-*.1,+2

%&1 L

U '& */<(:*-,# -),' :%*"; # (Ů -),'
; ,.":*1' +,(+%,'"'' ' '? /,+.,G
:*-,# -%":.' 1/,+,1/,1:,' ! U'
U 'U '? (00,.,/'(" :,'"1' ' L '?
*6"%"-",# *1/' ,%(A8,1:,' !L'? *2*"1'
1+XN("1-,/' ,:.,-*.7' (ŮB -*%,' !L!'?
1":@1*;,' (Ů *%*2."/*'!L'*1/' ' '
6,:(;,#ß ."; ,' "1"#-,.''! ' ! '?
.,#"21#' U !'? -),' "123# 0,,%"12#
-(=*./#)"; ,'U '*1/' 'U
1 / '%&Ů K1%/'' / & 2 -Ů """' U
*1/' ' ! ' L ' '!!!'!!U'U L'?
)"# 0".#-' #+,,:)' "1' *.%"*; ,1-' "'
! U? *++("1-,/' R1/,.' ,:.,-*.7' (Ů
-*-('!LŮ? *++("1-,/' ,:.,-*.7' (Ů -),'
.,*#8.7' U! '?)"# .,;*,@# "1' -),'
(8#,'(Ů (;,;(1# .,%*-"<,' -(' -%",'
;*."*2,'(Ů -),'."1:,'(Ů E(%,# ="-)'
.#' '-V),.6,.-'L '?)"# "1-";*:7'
="-%" -),' ."1:,'"'' ' !!Uf? 1,2(-"*G
-"(1# ="-)')8.%(='
1 / %&Ů) AŮ ;,.":*1' #-*-,#;*1
**'9_W
'' & Ů . / Ů "'' ' U U 'U !'? """'
U ' ! ! !
' A 1Ů &/-'R K A& Ů .,-".,# 0.(;'
"--3# "1"#R7' "1' L' """' U!9 9!'&
)"# %*#-' +*.-"12' ="-)' .' "--' U! ?
6,:(;,# ."<7' ,*%"1' (./' .,1<"R*3#
"1"#-.7' U !'? (++(#,# -),' .,%",Ů (Ů K
*-)(%":' /"#*6"%"-",#' U ' L '? -),'
"12' .,2.,-#)"# .,-".,;,1-'L L' L '
,--,.# */ /..,##,/'67'-),' "12' -(')";
***' W ž W9ž ;ž ;;ž 0_ž :9ž : ž
_99ž _:9ž _;Wž W9K
2)Ů A %.%/KA & ' LŮ """' U '
1/'1(-,' ,--,.'//.,##,/'67'-),' "12'
-(')," U
2 Ů 3' &%/'Ů***'9 ž W
1Ů / 'U /K-'B+ 3' ;"-)N' """'
'
/3 22 Ů R' 1 %Ů -),')"#-("*1'
"' ' ' ' "'' ' K
'/ *$ žU/&K Ů %A)1 /' O?D /) '
'6".-)'"'' !!'
' 1% &Ů 1%/2' %/2' LŮ """' U '
*1/'
L%&' /,:%*.,# =*.' *2*"1#-' 12%*1/' "'
? """' U ' 9 U' UL' U
L &K /Ů D /) ' K &'' %/2Ů * ' 2
2W:9
F 'B 1&Ů 1' & &/-Ů "' ! ' *1/'
'U 'U U
F 'R &K & Ů %/2' L' \ ".' ()1' ,.<"#N
"""' 9 !' L '
% L' K Ů ? A ! 6E Ů "' L ^' LŮ? /"#G
+8-,/'*8-)(.#)"+'(Ů -),' ;,*#8.,' !KL'
/"#-8.6*1:,# :.,*-,/' 67'-'"1' ;,":*'
! 9! ? .,+,*% (Ů -)(' :-'! 9!!!'
!L ' \ ,' ;,.":*1'R(%(1""#N N
%&1 L Ů && ' 2%3%2' %'-Ů*' _9:ž
_9,'*1/'

U

'

%&1 L 0 1% 2 ' % 20 *** ' 9 :' .+<'
*
00000 2 1#* ' %&K 0 *** ' U ' .+<
/ ' 9_ 29_
000000 2 . E ' 0 """" ' UL ' U !' *1/
' _HK
999999 ' ;' E" " "' "' 3 '
_9:2_9;
%& 2%A ' &)' o U 2%&'0 "' ! ' ! '
! L ' L '
% (0 B 1&0 ; , ,":*1' +*-."(-' "" ' '
/& 0 %A &K 0 "'
& 0 &'/ $0 '$30 /#,-+/-' /' ,/-?,'
' *' L' .+<' '
/ & 0 %3 ' R K A& 0 "' U ' L '
.+<' ' L' U
/%&) $%- 0 %' -' A %&0 *' K' .+<' '
K:2 9 ' ' ** ' 9;9' .+<'
/ &)0 . 0 , ,-' 0-/ 1' 7,' *+?' /'
%"" ; ' """ ' U
/A & 0 B 1&' / ' / K(' A& 0 -*6'
., ; *.@*6%,' :*.,,.' *1/' /,*-) ' "" ' ' '
B L' ' *1/' '
A%/ 0 . %6 =D & /%2' A ' 1%/2 0
""" ' L ' *1/'
== 0 &' %&' ' 3 ' @ 22 % ' \ .:)9B
6"#)(+' (0' . ; *2)N ' +.(; (-,/' 67' -),'
"12' 0.(;' -),' ,;' (0' -' *<"/3#' """ '
! 9 !!'? *: :(81-' (0' ! ' ' ' %,--,.#
=."--,1' -(')" ;' 67' -),' "12' ! ' !!'
A00 2(0 &/-' $%/ ' $ 20 1' %/2'
0 "" ' U L' *1/' ' U ' *1/' '
A22 3%&0 B 1&0 ; , .":*1' ,1, .*%' "" '
LL' '
A #0 A)A A' / ' / K(' A(' L0
3*- 7' ** ' !!' L! '? 1 .--*.?,' *** ' U' f
5-/ ,6 6' .?.*+6 ' 7,' *,?,+8=' * ' *+'
' L U
A 1 /2%& '0 B %6 0 67// 6' 7*16, 0' "1' *,'
+.,#,1:,' (0' ,(.2,' """ ' U
A &0 /' . %&& / 0 /K1 1 L' L'
%& / A/-0 ** ' W I' *** '_9 2_9_

%2 j0 @ 22 % ' %/20 *' ! ' .+<'
' ' *1/' ' ' ' !'
!U ' UU
%/2 &0 2 & 20 1* * .-=' 6,*4*8,6' *+'
1,-*8.2' ** ' ! ' ! ' K
< %-2 /0 A =D & /%2' F 1' / / 0
*** ' U! ' *1/'
L2 0 && ' A& 0 "' U
= 0 K1%/ '' %/20 -,6*?+6' 7,
."<7' ,*%' "' ! ' ' *1/' ' .,9
8#:# -(' -*@,' (%%":(' "1' L ! ' U'
*1/' ' L ! 9 !'? "1-."28,#*2*"1#-'
-),' (:@"12%"* ;' "1"#-.7' !U 9L '?)"#
, ; +%(7 ; ,1-' (0'#+",#' ! ' ! ' ! ' *1/'
' ' .,08#,# -s0 -*%,,' (%%":(' "1' '
! ' ! ' ? A8*. .,%#="-)' (./' %; -)*;

F

! ? 6,--,.' A8*%"-",#' ! ' ! ?)"#
/,*-)' ! ' ' G ' (0'%"";' " ' ! '
! ' ' ! ' ' ! ' 1(-,' ' U !'
*1/'
A'H " !) 'F 6 ' E!H"" ' ' *1/'
/ ' */<"#,#-)("12*2*"1#--%"(E%."2#'
UU 9U ' U ' ? :)*.*:-,.' UU ' UU!' ? *+G
+("1-,/' ,:.,-*.7'(0' -*-,' UU ' ? .,#"21#'
U U' U L' *1/'
RRRRR" 9 " ; , .":*1' +*.-"#*1' " ' LU
LU
AE " ! ' 9 " 4 ' ' % !C
1 !) " "'
H =" =E! " . ! ' B E 6 HH !"
-.,*-# ="-)' -),' E%""2# /8."12' \)(
"123# "1#*1"-7' "1' ' """ ' 9 ' ?
/,:%*.,# 0(.' -),' "123# *8-)(."-7' '
? /,+."<,/' (0' -%"," .,*-' ,*%' L '
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! ' ? 6"# 2,1"8#' ="-' *1/' ,%(A8,1:,'
! 9U ' U ' ?)"# C :)*1A"*2):9
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***ˢ _:ˢ.+<ˢ ˢ K ˢW9WIˢ, ,-ˢ.<G
<-,66,<ˢ3=ˢ7,ˢ *+?ˢ/ **1ˢ***ˢ _:ˢ
F **0**/ Hˢ 1 %ˢR K A& Ø.55/*+ ,<ˢ
',8-, .-=ˢ/0ˢ' .,ˢ*ˢ_ :ˢIˢ.88/$+ˢ/0ˢ
_ Kˢ ˢ8/+<$8ˢ<*+*+?ˢ 7,ˢ-*/ 6ˢ*+ˢ
9:K;ˢ _ WOKˢ _ ;ˢ _ 9ˢ _ _0Wˢ _ Iˢ
-,6*?+6ˢ',8-, .-=67*5ˢ/0ˢ' . ,ˢ**ˢ W:ˢ
.+<ˢ ˢ 8/+#*#*.ˢ7.3*6ˢ ; ˢ ˢ
G ˢ ˢ**ˢ _ ˢ W_ˢ , ,-6ˢ.<G
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W ;0W99Iˢ**ˢ _ ˢ _Kˢ W 0 W ˢ WW0Kˢ
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3=ˢ.ˢ ˢ,+,-.ˢ F .--.+ˢLˢ.+<ˢD8/1G
1*,<ˢ/ˢ 7,ˢ /4,-ˢ9 0ˢ9ˢIˢ<*6G
87.-?,<ˢ3=ˢ(7*,0ˢA$6*8,ˢ -. ˢ9 0ˢIˢ
*<6ˢ Pˢ 66.=ˢ/+ˢ F /1.+2 099Iˢ5-/G
8,,<*+?6ˢ.?.*+6ˢ7*1ˢ*+ˢ .-*.1,+ˢ
9 09_ˢ 9:ˢ PIˢ<$,ˢ4*7ˢ'.1$,ˢ
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0 Iˢ /3.*+6ˢ.ˢ#,-<*8ˢ.?.*+6ˢ 7,ˢ
H$<8-0'88-, .-=ˢ/0ˢ' . ,ˢ 9Iˢ/68+B*,6'
/ˢ -.+8,ˢ Iˢ.66*6,<ˢ4*7ˢ1/+,=ˢ3=ˢ
7,ˢF **?ˢ /+6ˢ_ 9Iˢ-, $-+6ˢ /ˢ +?0

ˢ.+<ˢ_ 9Iˢ5, **/+6ˢ7,ˢ *+?ˢ_ Iˢ8.+G
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_ Iˢ , ,8 ,<ˢ 0/-ˢ M *<< 86,Nˢ _ 0KIˢ
-*/ 6ˢ/+ˢ7*6ˢ3,7. 0ˢ_ _ˢ_ Kˢ_ ˢ_ 90ˢ
ˢ_ WO:ˢ___0KIˢ 6$--,+<,-6ˢ7*16, 0ˢ$5'Eˢ
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*+?Cˢ6ˢ ,+87ˢ -*6/+ˢ09 ;ˢ _ 9ˢ _ ;Iˢ
7*6ˢ8/+ ,6ˢ4*7ˢ 7,ˢ /$6,ˢ/0ˢ(/1G
1/+6ˢ*+ˢ9:K;ˢ _ 0_ ˢˢ ,N5, ,<ˢ 7,ˢ
/$6,ˢ__ Iˢ-,0 ,8 ,<ˢ0/-ˢ&*<< ,6, ˢ
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/+ˢ/ˢ3,ˢ+$ ˢ.+<ˢ#/<ˢ_9 Iˢ8/+ ,6ˢ
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%*1/#' '? *++("1-,/'*' ",%/9 *.#)*%
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1,##' "1' ' L 9 ? :)*.2,# 6.(82)-'
2"1#-' %"".*' 67' (%(1,% E8./%,' *1/'
)"# 0(.;,.';"#-.,##' .#' %*.%5,'L !9'
! &' .,#"21#')"# *++(;-;,1-' *# (;9
;*1/,.9"19 %"",0' L! ? .,9*++("1-,/'
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=*%%"#3#*.;7'*-' "" '! U9

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